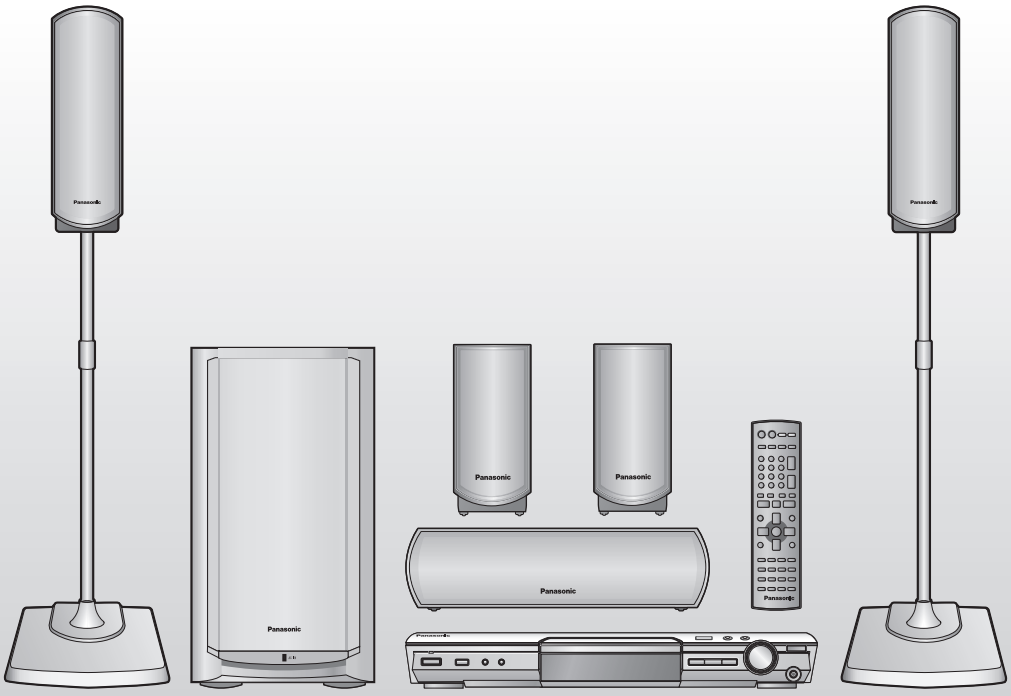
Panasonic

The illustration shows SC-HT535.



Operating Instructions

DVD Home Theater Sound System

Model No. **SC-HT535/SC-HT845/ SC-HT885**

Advanced progressive scan page **8**
Provides a smoother and sharper image.

Compatible with a variety of media formats page **11**
DVD-RAM, DVD-Audio, DVD-Video, DivX and more.

High performance sound effect page **24**
Sound field control (SFC), Bass sound enhancement and more.

Region number
The player plays DVD-Video marked with labels containing the region number "**2**" or "**ALL**".

Example:

DVD AUDIO / VIDEO

COMPACT disc DIGITAL VIDEO

RAM COMPATIBLE PLAYER

DivX® VIDEO

Before connecting, operating or adjusting this product, please read the instructions completely.
Please keep this manual for future reference.

E

RQT8225-B

Dear customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully.

HT535: indicates features applicable to SC-HT535 only.
HT845: SC-HT845 only.
HT885: SC-HT885 only.

- **These operating instructions are applicable to models SC-HT535, SC-HT845 and SC-HT885.**
- **Unless otherwise indicated, illustrations in these operating instructions are of SC-HT535.**
- **Operations in these instructions are described mainly with the remote control, but you can perform the operations on the main unit if the controls are the same.**

System	SC-HT535	SC-HT845	SC-HT885
Main unit	SA-HT535	SA-HT845	SA-HT885
Front speakers	SB-FS535	SB-FS840	SB-FS930
Center speaker	SB-PC535	SB-PC840	SB-PC930
Surround speakers	SB-FS536	SB-FS841	SB-FS880
Active subwoofer	SB-WA535	SB-WA845	SB-WA885

CAUTION!

**THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.**

WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

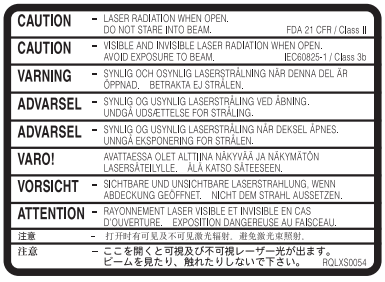
CAUTION!

- **DO NOT INSTALL OR PLACE THIS UNIT IN A BOOKCASE, BUILT-IN CABINET OR IN ANOTHER CONFINED SPACE. ENSURE THE UNIT IS WELL VENTILATED. TO PREVENT RISK OF ELECTRIC SHOCK OR FIRE HAZARD DUE TO OVERHEATING, ENSURE THAT CURTAINS AND ANY OTHER MATERIALS DO NOT OBSTRUCT THE VENTILATION VENTS.**
- **DO NOT OBSTRUCT THE UNIT'S VENTILATION OPENINGS WITH NEWSPAPERS, TABLECLOTHS, CURTAINS, AND SIMILAR ITEMS.**
- **DO NOT PLACE SOURCES OF NAKED FLAMES, SUCH AS LIGHTED CANDLES, ON THE UNIT.**
- **DISPOSE OF BATTERIES IN AN ENVIRONMENTALLY FRIENDLY MANNER.**

This product may receive radio interference caused by mobile telephones during use. If such interference is apparent, please increase separation between the product and the mobile telephone.

The socket outlet shall be installed near the equipment and easily accessible or the mains plug or an appliance coupler shall remain readily operable.

THIS UNIT IS INTENDED FOR USE IN MODERATE CLIMATES.


CAUTION – LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR / Class II
CAUTION – VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM. IEC60825-1 / Class 3b
VARNING – SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN.
ADVARSEL – SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING. UNDGÅ UDSÆTTELSE FOR STRÅLING.
ADVARSEL – SYNLIG OG USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES. UNNGÅ EKSPONERING FOR STRÅLEN.
VARO! AVATTAESSA OLET ALTTIINA NÄKYVÄÄ JA NÄKYMÄTÖN LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
VORSICHT – SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG. WENN ABDECKUNG GEÖFFNET. NICHT DEM STRAHL AUSSETZEN.
ATTENTION – RAYONNEMENT LASER VISIBLE ET INVISIBLE EN CAS D'OUVERTURE. EXPOSITION DANGEREUSE AU FAISCEAU.
注意 – 打开时有可见及不可见激光辐射，避免激光束照射。
注意 – ここを開くと可視及び不可視レーザー光が出ます。ビームを見たり、触れたりしないで下さい。 RQLXS0054

(Inside of product)
(Produktets innside)
(Tuotteen sisällä)

LUOKAN 1 LASERLAITE
KLASS 1 LASER APPARAT

(Back of product)

Safety precautions

Placement

Set the unit up on an even surface away from direct sunlight, high temperatures, high humidity, and excessive vibration. These conditions can damage the cabinet and other components, thereby shortening the unit's service life.

Do not place heavy items on the unit.

Voltage

Do not use high voltage power sources. This can overload the unit and cause a fire.

Do not use a DC power source. Check the source carefully when setting the unit up on a ship or other places where DC is used.

AC mains lead protection

Ensure the AC mains lead is connected correctly and not damaged. Poor connection and lead damage can cause fire or electric shock. Do not pull, bend, or place heavy items on the lead.

Grasp the plug firmly when unplugging the lead. Pulling the AC mains lead can cause electric shock.

Do not handle the plug with wet hands. This can cause electric shock.

Foreign matter

Do not let metal objects fall inside the unit. This can cause electric shock or malfunction.

Do not let liquids get into the unit. This can cause electric shock or malfunction. If this occurs, immediately disconnect the unit from the power supply and contact your dealer.

Do not spray insecticides onto or into the unit. They contain flammable gases which can ignite if sprayed into the unit.

Service

Do not attempt to repair this unit by yourself. If sound is interrupted, indicators fail to light, smoke appears, or any other problem that is not covered in these instructions occurs, disconnect the AC mains lead and contact your dealer or an authorized service center. Electric shock or damage to the unit can occur if the unit is repaired, disassembled or reconstructed by unqualified persons.

Extend operating life by disconnecting the unit from the power source if it is not to be used for a long time.

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Glossary

Decoder
A decoder restores the coded audio signals on DVD's to normal. This is called decoding.

DivX
A video compression format developed by DivXNetworks, Inc. that compresses video files without any considerable loss of video quality.

Dolby Digital
This is a method of coding digital signals developed by Dolby Laboratories. Apart from stereo (2-channel) audio, these signals can also be multi-channel audio. A large amount of audio information can be recorded on one disc using this method.

DTS (Digital Theater Systems)
This surround system is used in many movie theaters around the world. There is good separation between the channels, so realistic sound effects are possible.

Dynamic range
Dynamic range is the difference between the lowest level of sound that can be heard above the noise of the equipment and the highest level of sound before distortion occurs.

Frame still and field still
Frames are the still pictures that go together to make a moving picture. There are about 30 frames shown each second.
One frame is made up of two fields. A regular television shows these fields one after the other to create frames.
A still is shown when you pause a moving picture. A frame still is made up of two alternating fields, so the picture may appear blurred, but overall quality is high.
A field still is not blurred, but it has only half the information of a frame still so picture quality is lower.

I/P/B
MPEG 2, the video compression standard adopted for use with DVD-Video, codes frames using these 3 picture types.
I: Intra coded picture
This picture has the best quality and is the best to use when adjusting the picture.
P: Predictive coded picture
This picture is calculated based on past I or P-pictures.
B: Bidirectionally-predictive coded picture
This picture is calculated by comparing past and future I and P-pictures so it has the lowest volume of information.

Linear PCM (pulse code modulation)
These are uncompressed digital signals, similar to those found on CDs.

MPEG4
A compression system for use on mobile devices or a network, that allows highly efficient recording at a low bit rate.

Playback control (PBC)
If a Video CD has playback control, you can select scenes and information with menus.

Sampling frequency
Sampling is the process of converting the heights of sound wave (analog signal) samples taken at set periods into digits (digital encoding). Sampling frequency is the number of samples taken per second, so larger numbers mean more faithful reproduction of the original sound.

Simple setup

STEP 1 Speaker assembly

The supplied stands are specially designed for attachment to Panasonic SB-FS535 front speakers, SB-FS840 front speakers, SB-FS930 front speakers or SB-FS880 surround speakers. Use only as indicated in this setup.

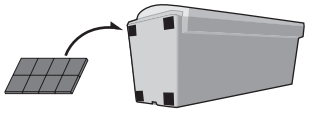
HT535 HT845 Front speakers
HT885 Front and surround speakers

Preparation
- To prevent damage or scratches, lay down a soft cloth and perform assembly on it.
- For assembly, use a Phillips-head screwdriver.
- Make sure you have all the indicated components before starting assembly, setup, and connection.
- There is no difference between the right and left speakers and pipes.

HT535

2 Front speakers	4 Pipes ●2×pipe A (with cable)	●2×pipe B	2 Bases	4 Washer screws	4 Bracket screws	4 Small screws	2 Brackets	Sheet of rubber pads

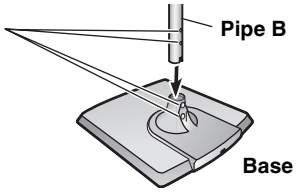
You can use the front speakers without assembling with the stands. In this case, attach the included rubber pads to the base of the speakers. This prevents vibration from causing the speakers to move or fall over. Use 3 or 4 pads per speaker.



1 Attach the pipes to the bases.

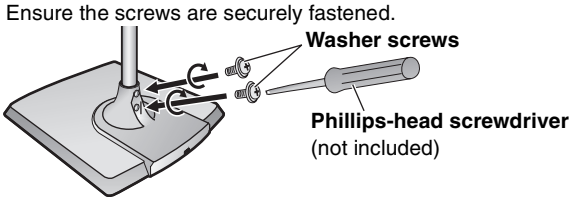
❶ Insert pipe B.

Match these holes when you insert the pipe.



❷ Secure pipe B to the base.

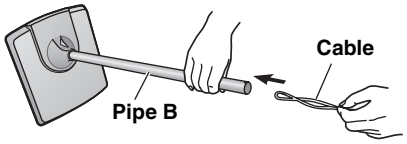
Ensure the screws are securely fastened.



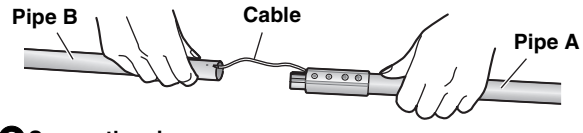
2 Assemble the pipes.

❶ Thread the speaker cable from pipe A through pipe B and the base.

For quicker threading, loosely fold the cable in half (do not crease), pass the folded portion through the pipe, and then pull the rest of the cable through the base.

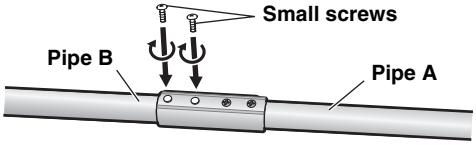


❷ Join pipe A to pipe B.



❸ Secure the pipes.

Ensure the screws are securely fastened.

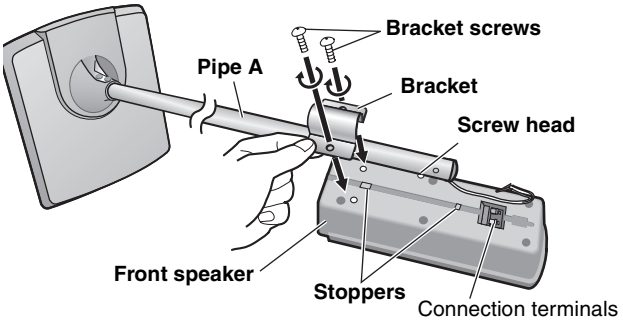


3 Attach the pipes to the speakers.

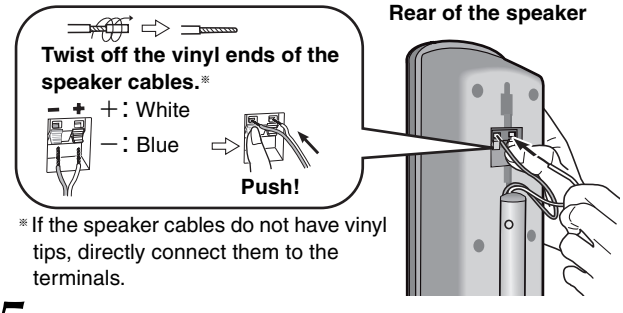
Slot the screw head in between the 2 stoppers of the speaker groove.

Ensure the pipe is fastened on straight by gradually tightening the right and left screws alternately until fully tightened.

To prevent a short-circuit, do not cover the connection terminals with the pipe.



4 Connect the speaker cables.

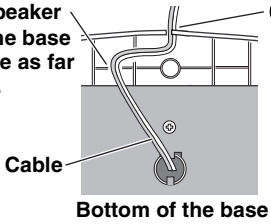


※ If the speaker cables do not have vinyl tips, directly connect them to the terminals.

5 Secure the speaker cables to the bases.

❶ Press the speaker cable into the base cover groove as far as possible.

❷ Press the speaker cable against the base while threading it between the pegs.



HT845 HT885

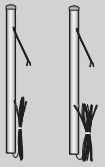
Note

- To prevent the speaker cables from being pulled out of the pipes, leave the plastic wrap on the pipes while assembling the speaker stands.
- HT885 The front and surround speaker pairs as well as the pipe pairs are different.
  –Check the label on the rear of the speaker before attaching the pipe (➜ page 6).
  –The pipe with the shorter cable is for the front speaker.

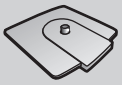
HT845 **2 Front speakers**
HT885 **2 Front and 2 Surround speakers**

HT845 **2 Pipes**

HT885 **4 Pipes**
- 2× pipes with short cable: For front speakers
- 2× pipes with long cable: For surround speakers



HT845 **2 Bases**
HT885 **4 Bases**

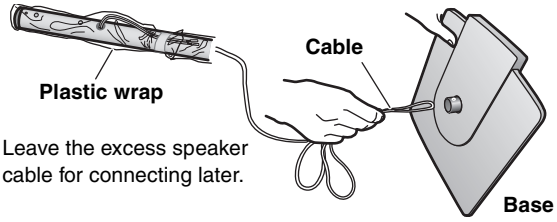


HT845 **4 Long screws**
HT885 **8 Long screws**

HT845 **4 Short screws**
HT885 **8 Short screws**

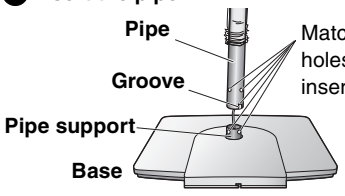
1 Assemble the speaker stands.

❶ Thread the speaker cable through the base.
For quicker threading, loosely fold the cable in half (do not crease), pass the folded portion through the hole, and then pull the rest of the cable through the base.



Leave the excess speaker cable for connecting later.

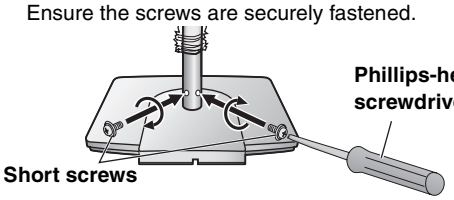
❷ Insert the pipe.



Match the groove and these holes with the base when you insert the pipe.

Insert the pipe while gently pulling on the speaker cable.

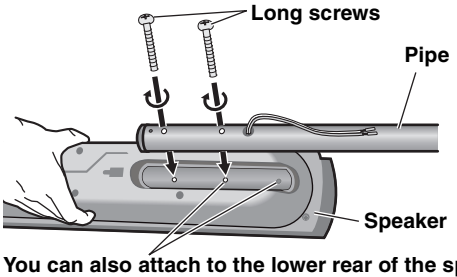
❸ Secure the pipe to the base.
Ensure the screws are securely fastened.



Before proceeding to the next step, please remove the plastic wrap from the pipe.

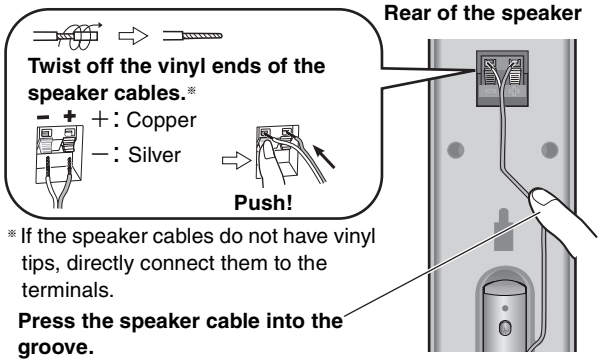
2 Attach the stands to the speakers.

Ensure the stand is fastened on straight by gradually tightening the top and bottom screws alternately until fully tightened.



You can also attach to the lower rear of the speaker.
The height of the speaker can be changed when attaching the stand to the upper rear or lower rear of the speaker.

3 Connect the speaker cables.

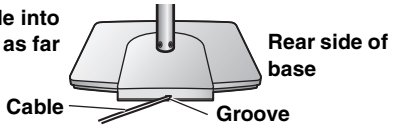


※ If the speaker cables do not have vinyl tips, directly connect them to the terminals.

If there is any excess speaker cable, thread the speaker cable into the opening near the top of the pipe while pulling the speaker cable from the bottom of the base.

4 Secure the speaker cables to the bases.

Press the speaker cable into the base cover groove as far as possible.



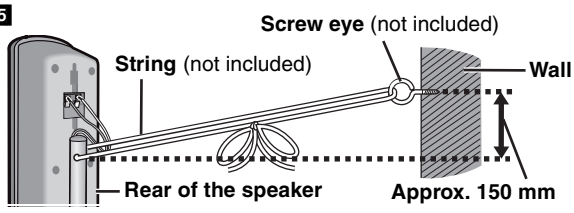
■ Preventing the speakers from falling over

Preparation
Attach screw eyes (not included) to secure the speakers to the wall (➜ diagram right).

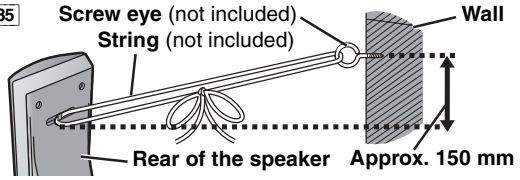
- You will need to obtain the appropriate screw eyes to match the walls or pillars to which they are going to be fastened.
- Consult a qualified housing contractor concerning the appropriate procedure when attaching to a concrete wall or a surface that may not have strong enough support. Improper attachment may result in damage to the wall or speakers.

To prevent the speaker from falling over, thread the string (not included) from the wall to the speaker as shown and tie tightly.

HT535



HT845 HT885



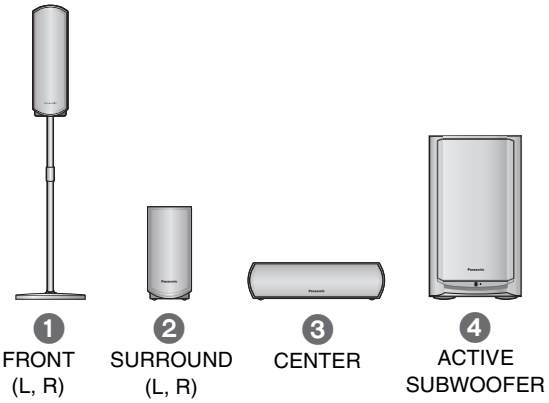
STEP 2 Positioning

How you set up your speakers can affect the bass and the sound field. Note the following points:

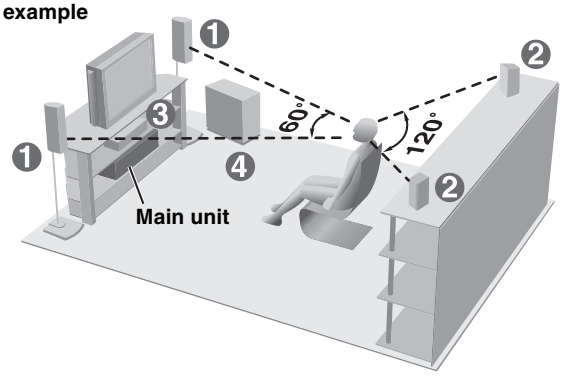
- Place speakers on flat secure bases.
- Placing speakers too close to floors, walls, and corners can result in excessive bass. Cover walls and windows with thick curtains.
- Place the front, center, and surround speakers at approximately the same distance from the seating position.
  The angles in the diagram are approximate.

Other speaker setup options (➜ page 29)

HT535

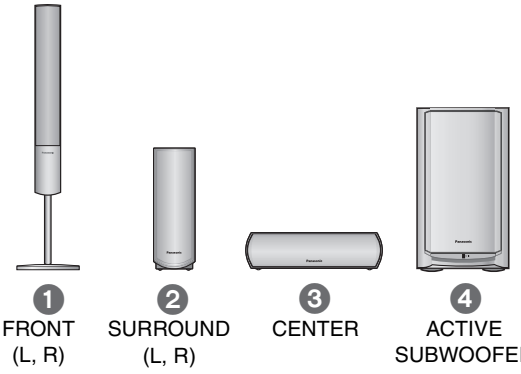


Setup example

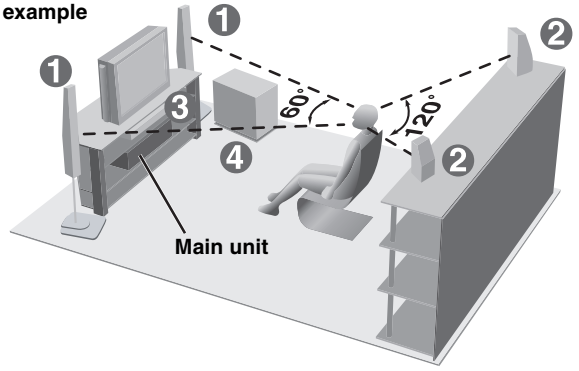


The left and right speakers are the same with respect to the front and surround speaker pairs.

HT845

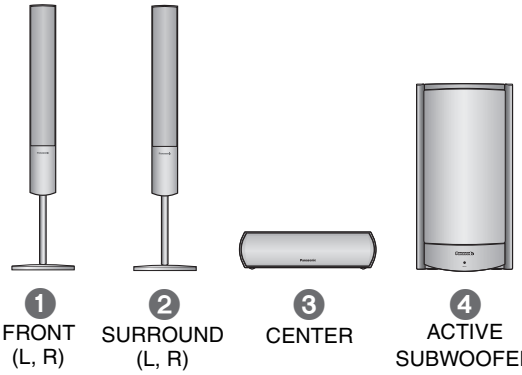


Setup example

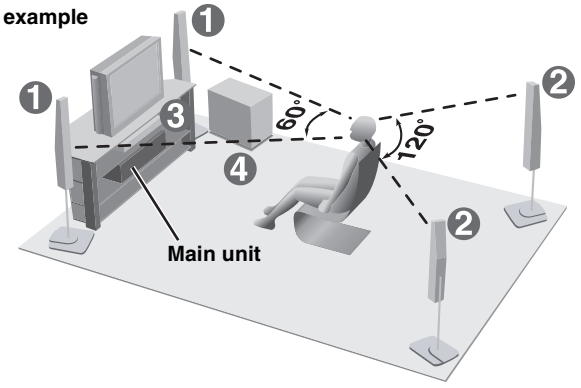


The left and right speakers are the same with respect to the front and surround speaker pairs.

HT885

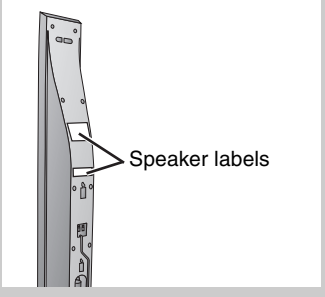


Setup example



The left and right speakers are the same with respect to the front and surround speaker pairs.

Do not use a front speaker as a surround speaker or vice versa. Verify the type of speaker with the label on the rear of the front speaker.



●Use only supplied speakers
Using other speakers can damage the unit, and sound quality will be negatively affected.
- Set the speakers up on an even surface to prevent them from falling. Take proper precautions to prevent the speakers from falling if you cannot set them up on an even surface.

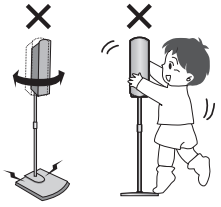
Main unit
Note
Keep your speakers at least 10 mm away from the system for proper ventilation.

Center speaker
- Vibration caused by the center speaker can disrupt the picture if it is placed directly on the television. Put the center speaker on a rack or shelf.
- To prevent the speakers from falling, do not place directly on top of the television.

Active subwoofer
Place to the right or left of the television, on the floor or a sturdy shelf so that it won't cause vibration. Leave 10 cm at the rear for ventilation.

Caution
Do not stand on the base and shake the speaker.
Be cautious when children are near.

e.g. **HT535**



Notes on speaker use
- You can damage your speakers and shorten their useful life if you play sound at high levels over extended periods.
- Reduce the volume in the following cases to avoid damage:
  – When playing distorted sound.
  – When the speakers are reverberating due to a record player, noise from FM broadcasts, continuous signals from an oscillator, test disc, or electronic instrument.
  – When adjusting the sound quality.
  – When turning the unit on or off.

If irregular coloring occurs on your television
The supplied speakers are designed to be used close to a television, but the picture may be affected with some televisions and setup combinations.
If this occurs, turn the television off for about 30 minutes.
The television's demagnetizing function should correct the problem. If it persists, move the speakers farther away from the television.

Caution
- **The active subwoofer and supplied speakers are to be used only as indicated in this setup. Failure to do so may lead to damage to the amplifier and/or the speakers, and may result in the risk of fire. Consult a qualified service person if damage has occurred or if you experience a sudden change in performance.**
- **Do not attempt to attach these speakers to walls using methods other than those described in this manual.**

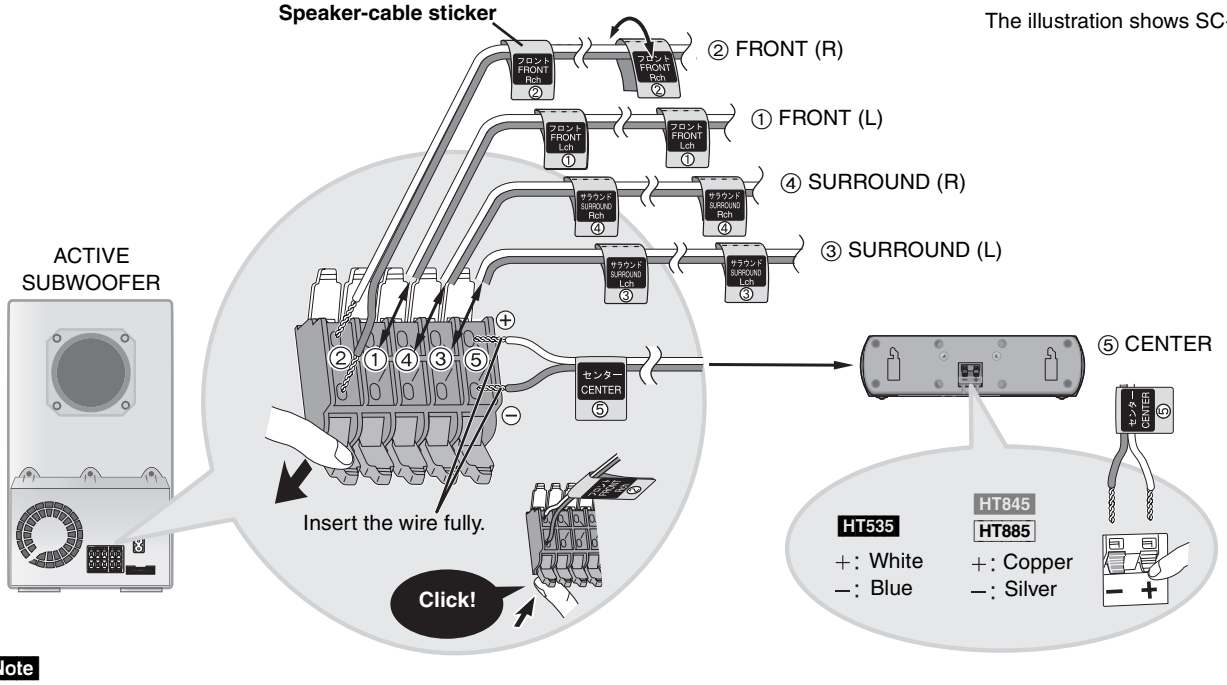
STEP 3 Connecting speakers with the subwoofer

- Attach the speaker-cable stickers to make connection easier.
- The terminals of the subwoofer have high output power. Carefully connect the speaker wires.

Speaker cables
HT535 HT845
- 1× short cable: For center speaker
- 2× long cables: For surround speakers

HT885
- 1× short cable: For center speaker

Sheet of speaker-cable stickers



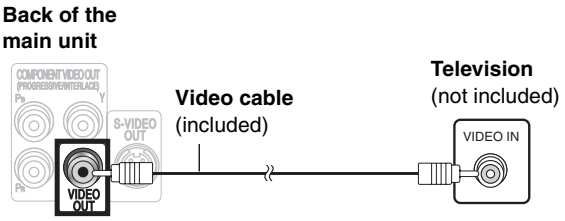
Note
- **HT845** **HT885** Even though the subwoofer shown is different, you can connect the speakers to the subwoofer in the same way.
- Never short-circuit positive (+) and negative (–) speaker wires.
- Be sure to connect only positive (**HT535**: white, **HT845** **HT885**: copper) wires to positive (+) terminals and negative (**HT535**: blue, **HT845** **HT885**: silver) wires to negative (–) terminals. Incorrect connection can damage the speakers.

STEP 4 Video connections

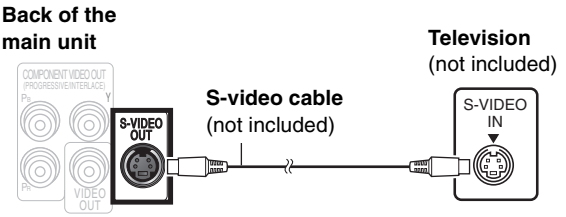
- **Do not connect through the video cassette recorder.** Due to copy guard protection, the picture may not be displayed properly.
- Turn the television off before connecting, and refer to the television's operating instructions.

Video cable

■ Television with a VIDEO IN terminal

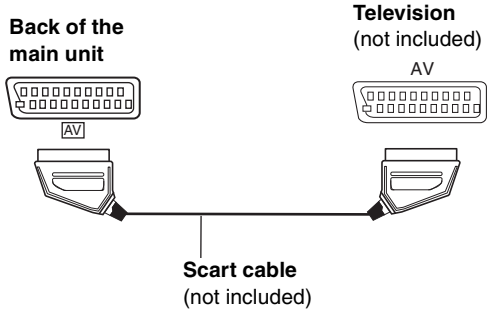


■ Television with an S-VIDEO IN terminal



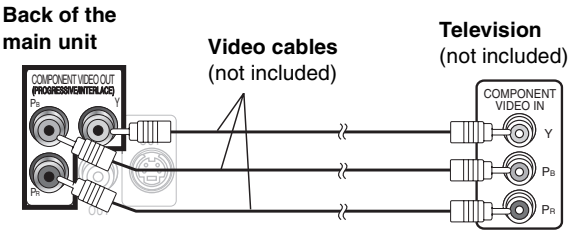
S-VIDEO OUT terminal
The S-VIDEO OUT terminal achieves a more vivid picture than the VIDEO OUT terminal by separating the chrominance (C) and luminance (Y) signals. (Actual results depend on the television.)

■ Television with SCART terminal



SCART (AV) terminal
To improve picture quality, you can change the video signal output from the SCART (AV) terminal from "Video" to either "S-Video" or "RGB" to suit the type of television you are using. Select "S-Video/YPbPr" or "RGB/No Output" from QUICK SETUP (➜ page 10).

■ Television with COMPONENT VIDEO IN terminals



COMPONENT VIDEO OUT terminals
These terminals can be used for either interlace or progressive output and provide a purer picture than the S-VIDEO OUT terminal. Connection using these terminals outputs the color difference signals (P_B/P_R) and luminance signal (Y) separately in order to achieve high fidelity in reproducing colors.

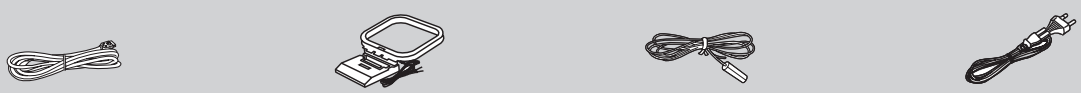
- The description of the component video input terminals depends on the television or monitor (e.g. $Y/P_B/P_R$, Y/B-Y/R-Y, $Y/C_B/C_R$). Connect to terminals of the same color.
- When making this connection, select "Video/YPbPr" or "S-Video/YPbPr" from QUICK SETUP (➜ page 10). If "RGB/No Output" is selected, the RGB signal is output from the SCART (AV) terminal, but no signal is output from the component video output terminals.

To enjoy progressive video

- Connect to the component video input terminals on a 625p or 525p compatible television. (Video will not be displayed correctly if connected to an incompatible television.)
- Panasonic televisions with 625 (576)/50i·50p, 525 (480)/60i·60p input terminals are progressive compatible. Consult the manufacturer if you have another brand of television.

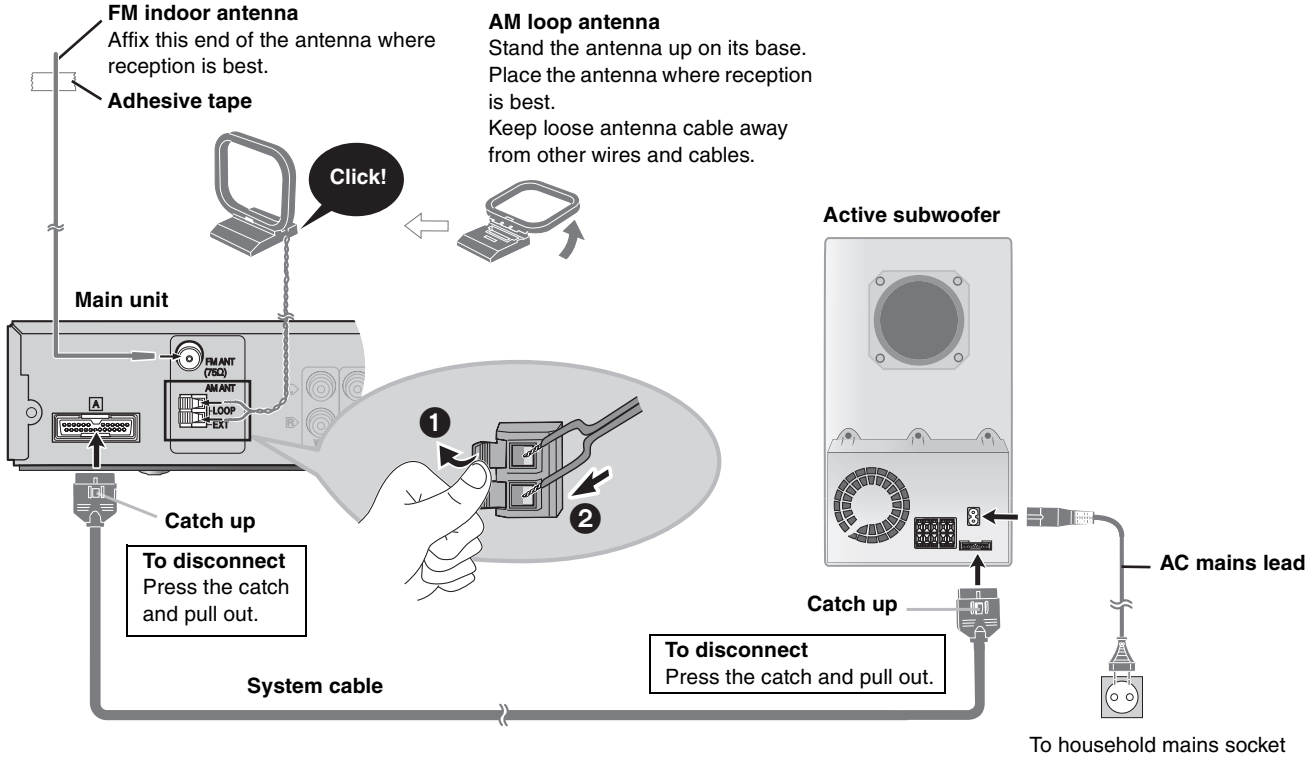
STEP 5 Radio and system connections

System cable **AM loop antenna** **FM indoor antenna** **AC mains lead**



- **Connect the AC mains lead after all other connections are complete.**
- **Optional antenna connections (➜ page 23).**

The illustration shows SC-HT535.



Conserving power

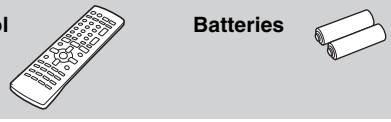
The main unit consumes a small amount of power, even when it is turned off (approx. 0.7 W). To save power when the unit is not to be used for a long time, unplug it from the household mains socket.
You will need to reset some memory items after plugging in the unit.

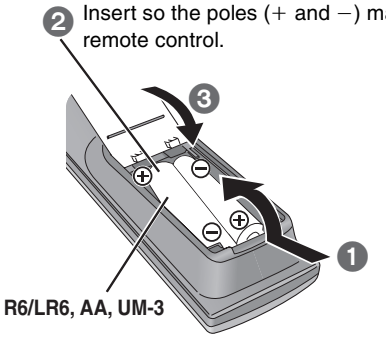
Note

The included AC mains lead is for use with this unit only. Do not use it with other equipment.

STEP 6 The remote control

Remote control **Batteries**





- Do not use rechargeable type batteries.

Do not:

- mix old and new batteries.
- use different types at the same time.
- heat or expose to flame.
- take apart or short circuit.
- attempt to recharge alkaline or manganese batteries.
- use batteries if the covering has been peeled off.

Mishandling of batteries can cause electrolyte leakage which can damage items the fluid contacts and may cause a fire.

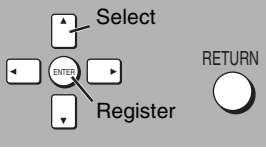
Remove if the remote control is not going to be used for a long period of time. Store in a cool, dark place.

■ Use

Aim at the remote control signal sensor (➜ page 10), avoiding obstacles, at a maximum range of 7 m directly in front of the unit.

STEP 7 QUICK SETUP

The QUICK SETUP screen assists you to make necessary settings.
Turn on the television and select the appropriate video input on the television.

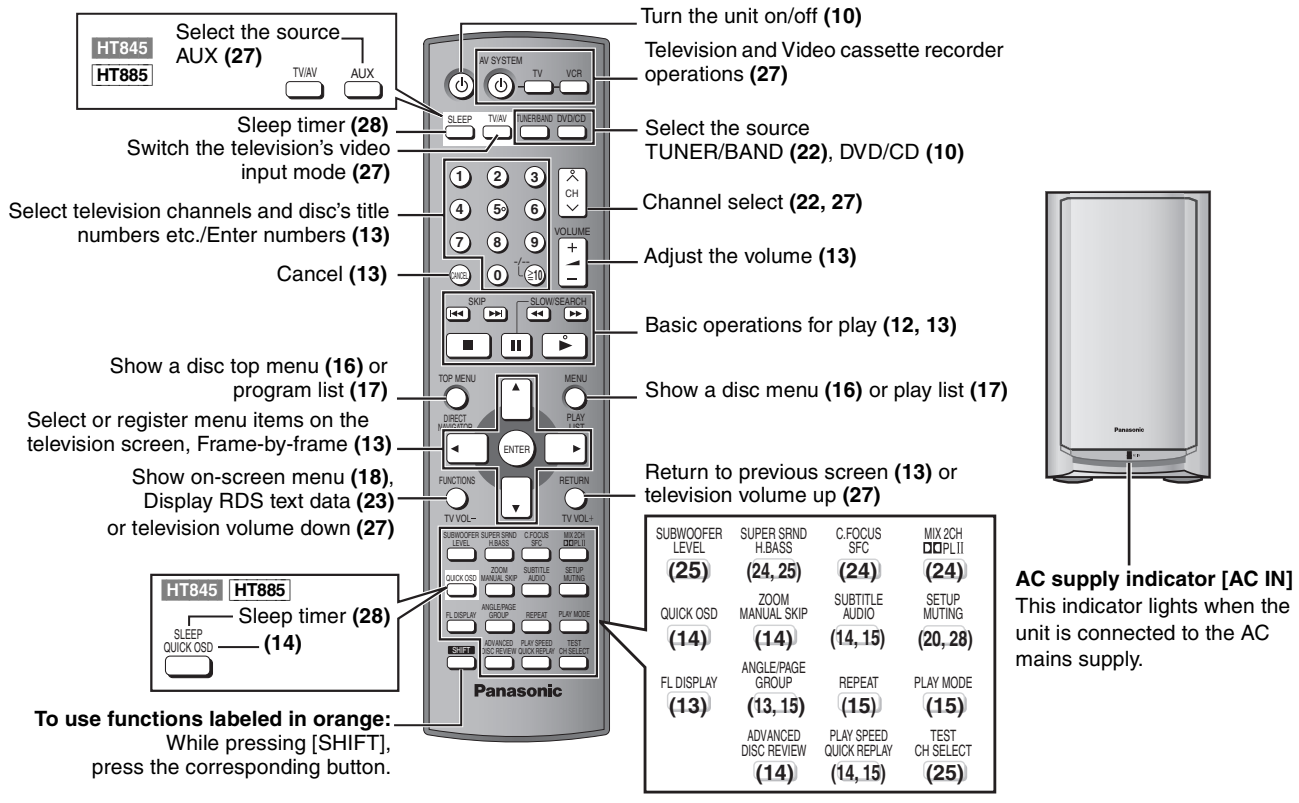
1	2	3	4	5	6
					
Turn on the unit.	**Select "DVD/CD".**	**Show the QUICK SETUP screen.**	**Follow the messages and make the settings.**	**Press to finish QUICK SETUP.**	**Press to exit.**

To change these settings later
Select "QUICK SETUP" in the "Others" tab (➜ page 21).

Control reference guide

See reference pages in brackets.

The illustrations show SC-HT535.


HT845
HT885
Select the source AUX (27)
TV/AV
AUX
Turn the unit on/off (10)
Television and Video cassette recorder operations (27)
Sleep timer (28)
Switch the television's video input mode (27)
Select the source TUNER/BAND (22), DVD/CD (10)
Select television channels and disc's title numbers etc./Enter numbers (13)
Channel select (22, 27)
Cancel (13)
Adjust the volume (13)
Basic operations for play (12, 13)
Show a disc top menu (16) or program list (17)
Show a disc menu (16) or play list (17)
Select or register menu items on the television screen, Frame-by-frame (13)
Show on-screen menu (18), Display RDS text data (23) or television volume down (27)
Return to previous screen (13) or television volume up (27)
HT845 HT885
Sleep timer (28)
SLEEP
QUICK OSD
(14)
To use functions labeled in orange:
While pressing [SHIFT], press the corresponding button.
Panasonic
SUBWOOFER LEVEL (25)
SUPER SRND H.BASS (24, 25)
C.FOCUS SFC (24)
MIX 2CH PLII (24)
QUICK OSD (14)
ZOOM MANUAL SKIP (14)
SUBTITLE AUDIO (14, 15)
SETUP MUTING (20, 28)
FL DISPLAY (13)
ANGLE/PAGE GROUP (13, 15)
REPEAT (15)
PLAY MODE (15)
ADVANCED DISC REVIEW (14)
PLAY SPEED QUICK REPLAY (14, 15)
TEST CH SELECT (25)
AC supply indicator [AC IN]
This indicator lights when the unit is connected to the AC mains supply.

Standby/on indicator
When the unit is connected to the AC mains supply, this indicator lights up in standby mode and goes out when the unit is turned on.

INPUT SELECTOR (22)
DVD/CD→FM→AM→TV→VCR→AUX (HT845 HT885)→Return to DVD/CD

⏏OPEN/CLOSE
Open/Close the disc tray **(12)**

⏮/◀◀, ▶▶/⏭/∨ TUNING ∧
Skipping or slow-search play **(12)**/
Select the radio stations **(22)**

Remote control signal sensor

PHONES
Connect headphones **(28)**

VOLUME
Turn up/down the volume **(12)**

PROGRESSIVE
Enjoy progressive video **(12)**
RDS
Display RDS text data **(23)**
H.BASS
Turn the bass sound enhancement on/off **(25)**
H.BASS indicator (HT845 HT885)

■/TUNE MODE
Stop playing **(12)**/
Select the tuning mode **(22)**
❚❚/FM MODE
Pause **(12)**/Adjust the FM reception condition **(22)**
▶/MEMORY
Play discs **(12)**/Memorize the receiving radio stations **(22)**

Standby/on switch [⏻/I]
Press to switch the unit from on to standby mode or vice versa.
In standby mode, the unit is still consuming a small amount of power. **(12)**

Discs that can be played

Disc	Logo	Indication in these operating instructions	Remarks	
DVD-RAM		RAM	Recorded with devices using Version 1.1 of the Video Recording Format (a unified video recording standard), such as DVD video recorders, DVD video cameras, personal computers, etc.	
		JPEG	Recorded with Panasonic SD multi cameras or DVD video recorders using the DCF (Design rule for Camera File system) Standard Version 1.0.	● To play JPEG, MPEG4 or DivX video contents, select “Play as Data Disc” in Other Menu (➜ page 19).
		MPEG4	Recorded with Panasonic SD multi cameras or DVD video recorders [conforming to SD VIDEO specifications (ASF standard)/MPEG4 (Simple Profile) video system/G.726 audio system].	
		DivX※1	—	
DVD-Audio		DVD-A	—	
		DVD-V	Some DVD-Audio discs contain DVD-Video content. To play DVD-Video content, select “Play as DVD-Video” in Other Menu (➜ page 19).	
DVD-Video		DVD-V	—	
DVD-R (DVD-Video)/ DVD-RW (DVD-Video)			Discs recorded and finalized※2 on DVD video recorders or DVD video cameras.	
+R (Video)/ +RW (Video)	—		Discs recorded and finalized※2 on DVD video recorders or DVD video cameras.	
DVD-R (DivX Video)/ DVD-RW (DivX Video)		DivX※1	Finalize※2 the disc after recording.	
DVD-RW (DVD-VR)		DVD-RW (VR)	Discs recorded and finalized※2 on DVD video recorders or DVD video cameras using Version 1.1 of the Video Recording Format (a unified video recording standard).	
Video CD		VCD	—	
SVCD			Conforming to IEC62107	
CD		CD	This unit is compatible with HDCD, but does not support the Peak Extend function (a function which expands the dynamic range of high level signals). HDCD-encoded CD’s sound better because they are encoded with 20 bits, as compared with 16 bits for all other CD’s.	
CD-R CD-RW	—	WMA MP3 JPEG CD MPEG4 DivX※1 VCD	● This unit can play CD-R/RW (audio recording disc) recorded with the formats on the left. Close the sessions or finalize※2 the disc after recording. ● **HighMAT discs** WMA, MP3 or JPEG files only. To play without using the HighMAT function, select “Play as Data Disc” in Other Menu (➜ page 19). ● WMA This unit does not support Multiple Bit Rate (MBR: a file that contains the same content encoded at several different bit rates).	

※1 Created using DivX ver.3.11, 4.x, 5.x [DivX video system/MP3, Dolby Digital or MPEG audio system].

※2 A process that allows play on compatible equipment.

● It may not be possible to play the above discs in all cases due to the type of discs, the condition of the recording, the recording method and how the files were created (➜ page 17, Tips for making data discs).

■ Discs that cannot be played

Version 1.0 of DVD-RW, DVD-ROM, CD-ROM, CDV, CD-G, SACD and Photo CD, DVD-RAM that cannot be removed from their cartridge, 2.6-GB and 5.2-GB DVD-RAM and “Chaoji VCD” available on the market including CVD, DVCD and SVCD that do not conform to IEC62107.

■ Audio format of DVD’s

This unit automatically recognizes and decodes discs with these symbols.

■ Video systems

– This unit can play PAL and NTSC, but your television must match the system used on the disc.
– PAL discs cannot be correctly viewed on an NTSC television.
– This unit can convert NTSC signals to PAL 60 for viewing on a PAL television (➜ page 21, “NTSC Disc Output” in “Video” tab).

Using the main unit

1 **Turn the unit on.**

⏻/I

2 **Select "DVD/CD".**

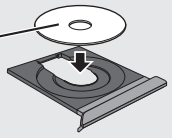
INPUT SELECTOR

3 **Open the disc tray.**

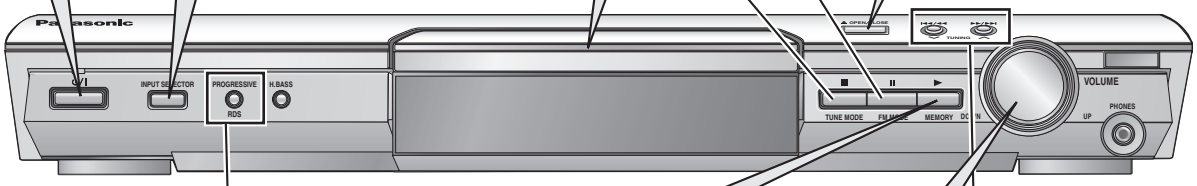
▲ OPEN/CLOSE

4 **Load the disc.**

- Load double-sided discs so the label for the side you want to play is facing up.



- RAM Remove the disc from its cartridge before use.



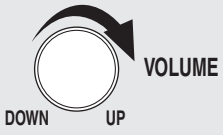
PROGRESSIVE
You can enjoy progressive video (➜ page 8).

5 **Start play.**

The tray is automatically closed.

►

6 **Adjust the volume.**



Press to skip.
Press and hold to
–search (during play)
–slow-motion (during pause)
(Motion picture part)

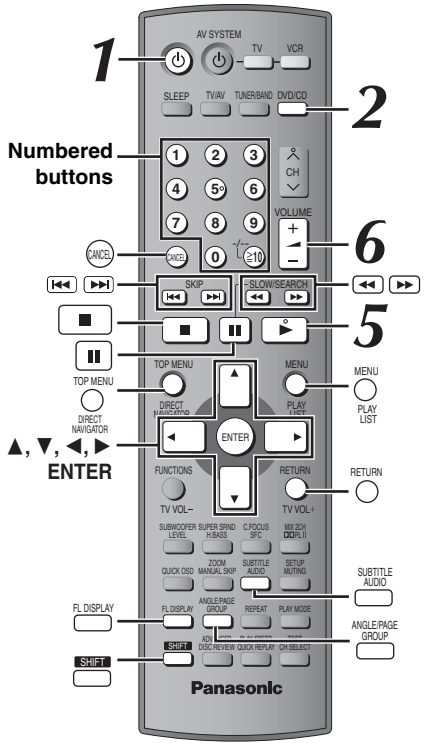
- Press [►] (play) to start normal play.

I◄◄/◄◄ ►►/►►I

Note

- Discs continue to rotate while menus are displayed. Press [■] when you finish to preserve the unit's motor and your television screen.
- Total title number may not be displayed properly on +R/+RW.

Using the remote control



Stop ■

The position is memorized while "RESUME" is on the display.
- Press [▶] (play) to resume.
- Press [■] again to clear the position.

Pause ❚❚

- Press [▶] (play) to restart play.

Skip SKIP ⏮ ⏭

- WMA MP3 JPEG MPEG4 DivX

[▲, ▼] : Group skip during play

[◀, ▶] : Content skip during play

Search (during play)

Slow-motion (during pause)

SLOW/SEARCH ◀◀ ▶▶

- Up to 5 steps.
- Press [▶] (play) to start normal play.
- VCD Slow-motion: forward direction only.
- MPEG4 DivX Slow-motion: Does not work.

Frame-by-frame (during pause)

DVD-A (Motion picture part) RAM DVD-RW (VR) DVD-V VCD

- VCD Forward direction only.

On-screen item select

Select

Register

Enter number

1 2 3 4 5 6 7 8 9 0 ≧10

ENTER

CANCEL

RAM DVD-RW (VR) DVD-A DVD-V VCD CD

e.g. To select 12:
[≧10] ➜ [1] ➜ [2]

VCD with playback control
Press [■] to cancel the PBC function, and then press the numbered buttons.

WMA MP3 JPEG MPEG4 DivX

e.g. To select 123:
[1] ➜ [2] ➜ [3] ➜ [ENTER]

- Press [CANCEL] to cancel the number(s).

Disc menu

TOP MENU / DIRECT NAVIGATOR

DVD-A DVD-V
Shows a disc top menu

RAM DVD-RW (VR)
Shows the programs (➜ page 17)

MENU / PLAY LIST

DVD-V
Shows a disc menu

RAM DVD-RW (VR)
Shows a play list (➜ page 17)

RETURN

VCD with playback control
Shows a disc menu

Return to previous screen RETURN

Main unit display FL DISPLAY

RAM DVD-RW (VR) DVD-A DVD-V WMA MP3 MPEG4 DivX
Time display
↔ Information display

JPEG
When Slideshow (➜ page 18) is on:
SLIDE↔Information display
When Slideshow is off:
PLAY↔Information display

Subtitles/ Information screen SHIFT + SUBTITLE AUDIO

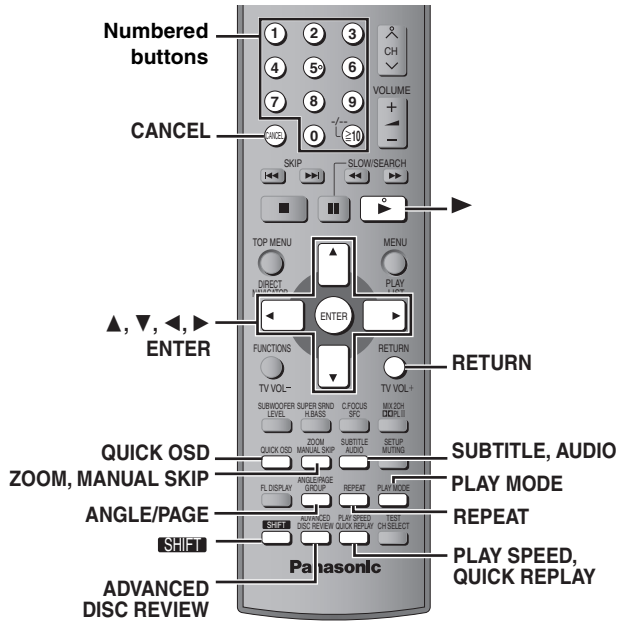
RAM DVD-RW (VR)
Turns subtitle on/off (➜ page 15)

DVD-V DivX VCD (SVCD only)
Selects the subtitle languages (➜ page 15)

JPEG
Date ↔ No information

Starting play from a selected group ANGLE/PAGE GROUP ↓ Select Register

DVD-A WMA MP3 JPEG MPEG4 DivX
A folder on WMA/MP3, JPEG, MPEG4 and DivX video discs is treated as a "Group".



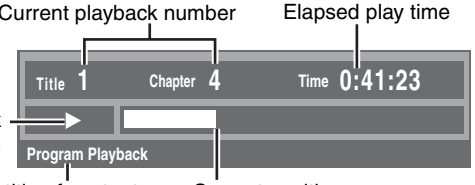
QUICK OSD — Displaying current playback condition (QUICK OSD)

Press [QUICK OSD].

Basics ⟶ Details
↑ Off ←

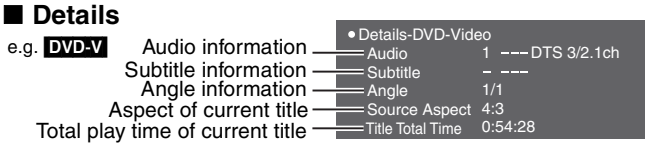
■ Basics

e.g. DVD-V



■ Details

e.g. DVD-V



● MPEG4 DivX Video and audio information is not displayed during search.

CD MP3 WMA The QUICK OSD screen will appear automatically.

ADVANCED DISC REVIEW — Reviewing titles to play (ADVANCED DISC REVIEW)

RAM DVD-RW (VR) (Except still picture part)
DVD-V (Except +R/+RW)
Allows you to browse the disc contents and start playing from the selected position. You can select either "Intro Mode" or "Interval Mode" in "Advanced Disc Review" in the "Disc" tab (➜ page 20).

1 Press [ADVANCED DISC REVIEW].

The QUICK OSD screen is displayed.

e.g. RAM

2 Press [▶] (play) when you find a title/program to play.

● This may not work depending on the disc and the play position.
● RAM DVD-RW (VR) This does not work when playing a play list (➜ page 17).

PLAY SPEED QUICK REPLAY — Quick replay

(Only when the elapsed play time can be displayed.)
(Except MPEG4 DivX, +R/+RW)

Press [QUICK REPLAY] to skip back a few seconds.

ZOOM MANUAL SKIP — Skipping 30 seconds forward

(Only when the elapsed play time can be displayed.)
RAM DVD-RW (VR) DVD-V (Except +R/+RW)
Play restarts from approximately 30 seconds later. Convenient when you want to skip commercials etc.

During play

Press [MANUAL SKIP].

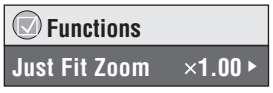
RAM DVD-RW (VR) It is not possible to skip through the current program if the start of the next program is within about 30 seconds of the point you are skipping from.

SHIFT + ZOOM MANUAL SKIP — Changing the zoom ratio

DVD-A (Motion picture part) RAM DVD-RW (VR) DVD-V VCD MPEG4 DivX
This feature expands the letterbox picture to fit the screen.

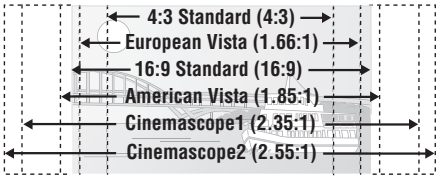
During play

Press [SHIFT]+[ZOOM] several times to select the preset aspect ratio (Just Fit Zoom) or "Auto".



DVD-A (Motion picture part) RAM DVD-RW (VR) DVD-V VCD
Auto → 4:3 Standard → European Vista → 16:9 Standard
↑ ↓
Cinemascope2 ← Cinemascope1 ← American Vista

e.g.



MPEG4 DivX
Standard (×0.25 full-screen) ⟶ Original (actual recorded size)
↑ Full (full-screen) ←

● This may not work depending on the discs recording.

Fine adjustments (Manual Zoom)
After selecting the preset aspect ratio or "Auto", press [◀, ▶].
–from "×1.00" to "×1.60" (in 0.01 units)
–from "×1.60" to "×2.00" (in 0.02 units)
–from "×2.00" to "×4.00" (in 0.05 units) (MPEG4 DivX only)
● It may not be possible to zoom up to ×4.00 depending upon the connected television and its settings.
● Press and hold [◀, ▶] to alter faster.

SUBTITLE AUDIO — Changing soundtracks

DVD-A DVD-V DivX (with multiple soundtracks) RAM DVD-RW (VR) VCD

Press [AUDIO] several times to select the soundtrack.

e.g. DVD-V

RAM DVD-RW (VR) VCD
You can use this button to select "L", "R" or "LR".
DivX
While the menu is displayed
Press [◀, ▶] to select "L", "R" or "LR".
DVD-V (Karaoke discs)
While the menu is displayed
Press [◀, ▶] to select "On" or "Off" for vocals.
Read the disc's instructions for details.

Signal type/data
LPCM/PPCM/DDDigital/DTS/MPEG: Signal type
kHz (Sampling frequency)/bit/ch (Number of channels)

Example: 3/2 .1ch

- .1: Low frequency effect (not displayed if there is no signal)
- 0: No surround
  1: Mono surround
  2: Stereo surround (left/right)
- 1: Center
  2: Front left+Front right
  3: Front left+Front right+Center

● DivX It may take some time for play to start if you change the audio on a DivX video disc.

Changing subtitles

DVD-V DivX (with multiple subtitles) VCD (SVCD only)

Press [SHIFT]+[SUBTITLE] several times to select the subtitle language.

- On +R/+RW, a subtitle number may be shown for subtitles that are not displayed.

To display/clear the subtitles

Press [◄, ►] to select "On" or "Off".

RAM DVD-RW (VR) (On/Off only with discs that contain subtitle on/off information)

Press [SHIFT]+[SUBTITLE] to select "On" or "Off".

- Subtitle on/off information cannot be recorded using Panasonic DVD Recorders.

Angle selection and Still picture rotation/advance

Press [SHIFT]+[ANGLE/PAGE] several times to select the angle or rotate/advance the still picture.

DVD-V (with multiple angles)– Angle selection

JPEG –Still picture rotation

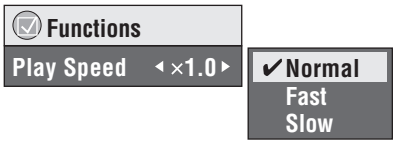
DVD-A –Still picture advance (Press [RETURN] to go back to page 1.)

Changing play speed

DVD-A (Motion picture part) RAM DVD-RW (VR) DVD-V

During play

Press [SHIFT]+[PLAY SPEED] several times to select "Normal", "Fast" or "Slow".



Changing play speed between the range of "×0.6" to "×1.4" (in 0.1 units)

Press [◄, ►] while the above message is displayed.

- Press [►] (play) to return to normal play.
- After you change the speed
  - Dolby Pro Logic II and Sound Enhancement do not work.
  - Audio output switches to 2ch.
  - Sampling frequency of 96 kHz is converted to 48 kHz.
  - HT845 HT885 Multi Re-master does not work.
- This function may not work depending on the disc's recording.

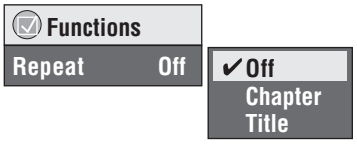
Repeat play

(Only when the elapsed play time can be displayed.
JPEG: Works with all JPEG content.)

During play

Press [REPEAT] several times to select an item to be repeated.

e.g. DVD-V



RAM DVD-RW (VR): Program→All→Off

- During play list play: Scene→Playlist→Off

DVD-A: Track→Group※→Off

DVD-V: Chapter→Title※→Off

VCD CD: Track→All→Off

WMA MP3 MPEG4 DivX: Content→Group※→Off

JPEG: Group※→Off

※ "All" is displayed during all group (DVD-A), program and random play.

All group, Program and Random play

Except RAM DVD-RW (VR)

Press [PLAY MODE] while stopped.

All group, program and random playback screens appear sequentially.

All group (DVD-A)→Program→Random
↑ off (Normal play)※←

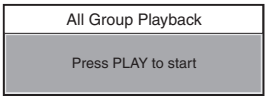
※Select "off" condition to exit the all group, program or random mode.

- Disable HighMAT disc play to use random and program play. Select "Play as Data Disc" in Other Menu (➜ page 19).
- DVD-A Some discs contain bonus groups. If a password screen appears after selecting a group, enter the password with the numbered buttons to play the bonus group. Refer also to the disc's jacket.

All group play

DVD-A

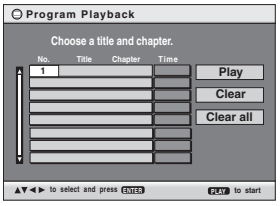
Press [►] (play).



Program play (up to 32 items)

1 **Press the numbered buttons to select the items (WMA MP3 JPEG MPEG4 DivX then press [ENTER]).**

e.g. DVD-V



- Repeat this step to program other items.
- **To select a 2-digit number**

  e.g. To select 25: [≧10] ➜ [2] ➜ [5]

  WMA MP3 JPEG MPEG4 DivX [2] ➜ [5] ➜ [ENTER]

2 **Press [►] (play).**

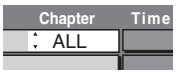
To select an item using the cursor buttons

Press [ENTER] and [▲, ▼] to select an item, then press [ENTER] again to register.

To select all the items

While the "Chapter", "Track" or "Content" field is highlighted, press [▲, ▼] to select "ALL". Then press [ENTER] again to register.

e.g. DVD-V



To change the selected program

1 Press [▲, ▼] to select an item.
2 Repeat step 1 above.

To clear the selected program

1 Press [▲, ▼] to select an item.
2 Press [CANCEL] (or press [▲, ▼, ◄, ►] to select "Clear" and press [ENTER]).

To clear the whole program

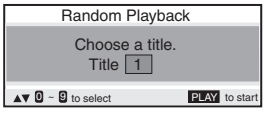
Press [▲, ▼, ◄, ►] to select "Clear all" and press [ENTER].
The whole program is also cleared when the unit is turned off, the disc tray is opened or another source is selected.

Random play

1 DVD-A DVD-V WMA MP3 JPEG MPEG4 DivX

Press the numbered buttons to select a title or a group (WMA MP3 JPEG MPEG4 DivX then press [ENTER]).

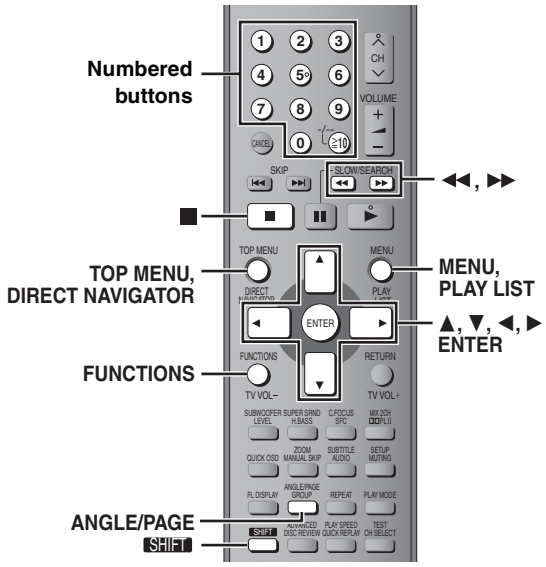
e.g. DVD-V



DVD-A

- To enter all groups, press [◄, ►] to select "All" and press [ENTER].
- To deselect a group, press the numbered buttons corresponding to the group you want to clear.

2 **Press [►] (play).**



Playing data discs

TOP MENU / MENU

WMA MP3 JPEG MPEG4 DivX

You can play JPEG, MPEG4 and DivX video contents on DVD-RAM or play HighMAT discs without using the HighMAT function (➜ page 19, "Play as Data Disc" in Other Menu).

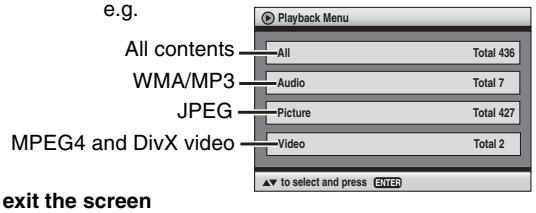
- Playing HighMAT™ discs (➜ page 17)

Playing items in order (Playback Menu)

1 Press [TOP MENU].

Items shown differ depending on the type of disc.

e.g.



- **To exit the screen**
  Press [TOP MENU].

2 Press [▲, ▼] to select "All", "Audio", "Picture" or "Video" and press [ENTER].

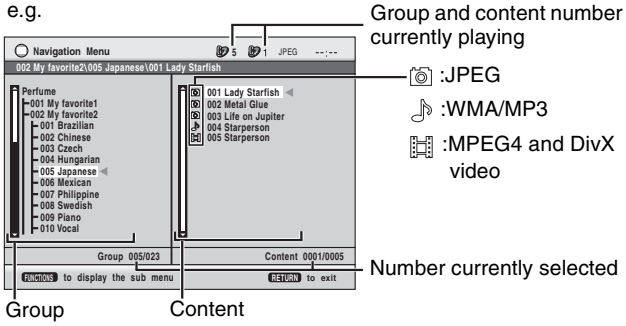
Playing from the selected item (Navigation Menu)

1 Press [MENU].

2 Press [▲, ▼, ◀, ▶] to select the group and press [ENTER].

3 To play content in the group in order
Press [ENTER].
To start play from the selected content
Press [▲, ▼] to select and [ENTER].

e.g.



- Press [SHIFT]+[ANGLE/PAGE] to skip page by page in the group or content field.
- **To enjoy listening to WMA/MP3 contents while showing a JPEG image on the screen**
  Select a JPEG file first, and then select audio contents. (The opposite order is not effective.)
- **To exit the screen**
  Press [MENU].

■ Using the submenu

1 While the menu is displayed
Press [FUNCTIONS].

2 Press [▲, ▼] to select an item and press [ENTER].

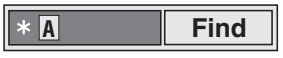
Items shown differ depending on the disc contents.

✓Multi	Groups and contents are displayed.
List	Contents only
Tree	Groups only
Thumbnail	Thumbnail images JPEG
Next group	To go to next group
Previous group	To go to previous group
All	WMA/MP3, JPEG, MPEG4 and DivX video
Audio	WMA/MP3 only
Picture	JPEG only
Video	MPEG4 and DivX video only
Help display	To switch between guide messages and the elapsed play time indicator
Find	To search by content or group title (➜ below)

■ Searching by a content or group title

Highlight a group title to search the group, or a content title to search its content.

1 While the submenu is displayed (➜ above)
Press [▲, ▼] to select "Find" and press [ENTER].



2 Press [▲, ▼] to select a character and press [ENTER].

- Repeat to enter another character.
- Lower case is also searched.
- Press [◀◀, ▶▶] to skip between A, E, I, O and U.
- Press [◀] to erase a character.
- Leave the asterisk (*) when you search for the titles including the character you enter.
- Erase the asterisk (*) to search for the titles starting with the character you enter. To add the asterisk (*) again, display the submenu again and select "Find".

3 Press [▶] to select "Find" and press [ENTER].

The search result screen appears.

4 Press [▲, ▼] to select the content or group and press [ENTER].

Playing from the selected track in the CD

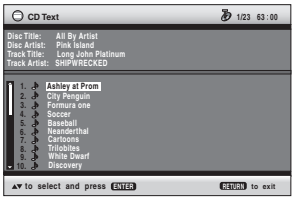
TOP MENU / MENU

CD

Titles appear with CD Text disc playback.

1 Press [TOP MENU] or [MENU].

e.g. CD text



2 Press [▲, ▼] to select the track and press [ENTER].

- Press [SHIFT]+[ANGLE/PAGE] to skip page by page.
- Press [FUNCTIONS] to show the playback condition and current position.

To exit the screen
Press [TOP MENU] or [MENU].

Playing HighMAT™ discs

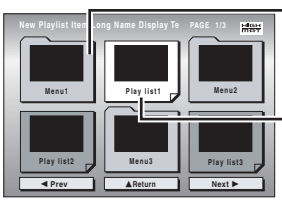
WMA MP3 JPEG

1 **Press [TOP MENU].**

2 **Press [▲, ▼, ◄, ►] to select the item, then press [ENTER].**

- Repeat this step if necessary.

e.g.



Menu: Takes you to the next menu which shows play lists or another menu

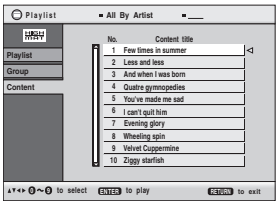
Play list: play starts

- **To change the menu background**
  Press [FUNCTIONS].
  The background changes to the one recorded on the disc.
- **To exit the screen**
  Press [■].

Selecting from the list

1 **During play**
Press [MENU].

e.g.



2 **Press [◄] then [▲, ▼] to switch among "Playlist", "Group" and "Content" lists.**

3 **Press [►] then [▲, ▼] to select an item and press [ENTER].**

- Press [SHIFT]+[ANGLE/PAGE] to skip page by page.

- **To exit the screen**
  Press [MENU].

Playing RAM/DVD-RW (DVD-VR) discs

RAM DVD-RW (VR)

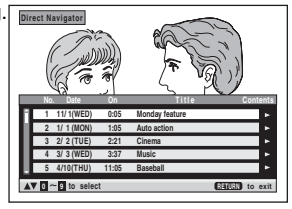
- Titles appear only if the titles are recorded on the disc.
- You cannot edit programs, play lists and disc titles.

Playing the programs

1 **Press [DIRECT NAVIGATOR].**

- **To exit the screen**
  Press [DIRECT NAVIGATOR].

e.g.



2 **Press [▲, ▼] or the numbered buttons to select the program.**

- Press [SHIFT]+[ANGLE/PAGE] to skip page by page.
- **To select a 2-digit number**
  e.g. 23: [≧10] ➜ [2] ➜ [3]
- Press [►] to show the contents of the program and the disc.

3 **Press [ENTER].**

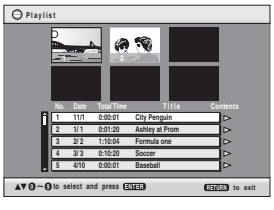
Playing a play list

(Only when the disc contains a play list)

1 **Press [PLAY LIST].**

- **To exit the screen**
  Press [PLAY LIST].

e.g.



2 **Press [▲, ▼] or the numbered buttons to select the play list.**

- Press [SHIFT]+[ANGLE/PAGE] to skip page by page.
- **To select a 2-digit number**
  e.g. 23: [≧10] ➜ [2] ➜ [3]

3 **Press [ENTER].**

■ Playing scenes one by one

1 **While the play list menu is displayed**
Press [►].

2 **Press [▲, ▼] to select "Scene List" and press [ENTER].**

- "Contents" shows play list information.

3 **Press [▲, ▼, ◄, ►] to select a scene and press [ENTER].**

Tips for making data discs

- When there are more than 8 groups, the eighth group onwards will be displayed on one vertical line in the menu screen.
- There may be differences in the display order on the menu screen and computer screen.
- This unit cannot play files recorded using packet write.

DVD-RAM

- Discs must conform to UDF 2.0.

CD-R/RW

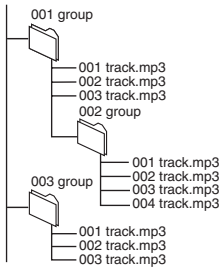
- Discs must conform to ISO9660 level 1 or 2 (except for extended formats).
- This unit supports multi-session but if there are a lot of sessions it takes more time for play to start. Keep the number of sessions to a minimum to avoid this.

DVD-R/RW

- Discs must conform to UDF bridge (UDF 1.02/ISO9660).
- This unit does not support multi-session. The default session only is played.

Naming folders and files
(Files are treated as contents and folders are treated as groups on this unit.)
At the time of recording, prefix folder and file names. This should be with numbers that have an equal number of digits, and should be done in the order you want to play them (this may not work at times).
Files must have the extension (➜ below).

e.g. MP3



WMA (Extension: ".WMA" or ".wma")

- Compatible compression rate: between 48 kbps and 320 kbps
- You cannot play WMA files that are copy protected.
- This unit does not support Multiple Bit Rate (MBR).

MP3 (Extension: ".MP3" or ".mp3")

- Compatible compression rate: between 32 kbps and 320 kbps
- This unit does not support ID3 tags.
- Compatible sampling rates: 8, 11.02, 12, 16, 22.05, 24, 32, 44.1 and 48 kHz.

JPEG (Extension: ".JPG", ".jpg", ".JPEG" or ".jpeg")

- To view JPEG files on this unit:
  – Take them on a digital camera that meets the DCF Standard (Design rule for Camera File system) Version 1.0. Some digital cameras have functions that are not supported by the DCF Standard Version 1.0 like automatic picture rotation which may render a picture unviewable.
  – Do not alter the files in any way or save them under a different name.
- This unit cannot display moving pictures, MOTION JPEG and other such formats, still pictures other than JPEG (e.g. TIFF) or play pictures with attached audio.

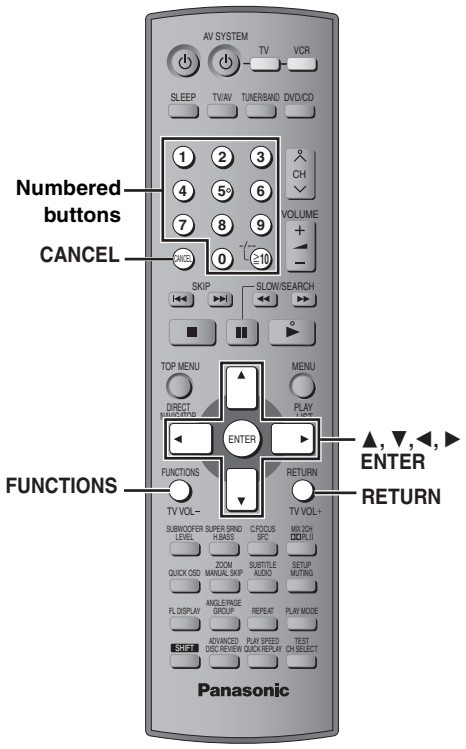
MPEG4 (Extension: ".ASF" or ".asf")

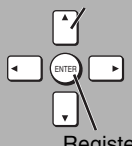
- You can play MPEG4 data [conforming to SD VIDEO specifications (ASF standard)/MPEG4 (Simple Profile) video system/G.726 audio system] recorded with Panasonic SD multi cameras or DVD video recorders with this unit.
- The recording date may differ from that of the actual date.

DivX (Extension: ".DIVX", ".divx", ".AVI" or ".avi")

- You can play DivX data created using ver.3.11, 4.x, 5.x [DivX video system/MP3, Dolby Digital or MPEG audio system].
- GMC (Global Motion Compensation) is not supported.
- DivX files greater than 2GB or have no index may not be played properly on this unit.
- This unit supports all resolutions up to maximum of 720 ×480 (NTSC)/720 ×576 (PAL).
- You can select up to 8 types of audio and subtitles on this unit.

Using on-screen menus



1	FUNCTIONS	**Press once.**
2	Select Go to the next menu Register Return to the previous menu	**Select the menu.**
3	Select Register 	**Make the settings.**
4	FUNCTIONS	**Press to exit.**

Items shown differ depending on the type of disc.

Main menu

Program **Group** **Title** **Chapter** **Track** **Playlist** **Content**	**To start from a specific item**
Time ※ Except +R/ +RW	**To skip incrementally or decrementally※ (Time Slip for play only)** 1 Press [ENTER] twice to show the Time Slip indicator. 2 Press [▲, ▼] to select the time and press [ENTER]. ●Press and hold [▲, ▼] to alter faster. **To start from a specific time※ (Time Search)** **To change remaining/elapsed time display**
Video	MPEG4 DivX **To display pixel number** DivX fps (frame per second) is also displayed.
Audio	(➜ page 14, Changing soundtracks)
	WMA MP3 **To display the current disc type**
Still Picture	**To switch still pictures**
Thumbnail	**To show thumbnail images**
Subtitle	(➜ page 15, Changing subtitles)
Marker (VR)	RAM DVD-RW (VR) **To recall a marker recorded on DVD-Video recorders** To recall a marker: Press [▲, ▼] ➜ Press [ENTER]
Angle	(with multiple angles) **To select the angle**
Rotate Picture	**To rotate picture**
Slideshow	**To turn on/off slideshow** **To change the slideshow timing (0–30 sec)**
Other Settings	(➜ page 19)

Play Speed	DVD-A (Motion picture part) RAM DVD-RW (VR) DVD-V **To change play speed** –from "×0.6" to "×1.4" (in 0.1 unit steps)

■ *Play Menu*

(Only when the elapsed play time can be displayed.
JPEG: Works with all JPEG content.)

Repeat	(➜ page 15, Repeat play)
A-B Repeat	Except JPEG RAM DVD-RW (VR) (Still picture part) MPEG4 DivX **To repeat a specified section** Press [ENTER] at the starting and ending points. Press [ENTER] again to cancel.
Marker	Except RAM DVD-RW (VR) **To mark up to 5 positions to play again** Press [ENTER] (The unit is now ready to accept markers.) To mark a position: Press [ENTER] (at the desired point) To mark another position: Press [◄, ►] to select "✳" ➜ Press [ENTER] To recall a marker: Press [◄, ►] ➜ Press [ENTER] To erase a marker: Press [◄, ►] ➜ Press [CANCEL] ●This feature does not work during program and random play.
Advanced Disc Review	[➜ page 14, Reviewing titles to play (ADVANCED DISC REVIEW)]

■ *Picture Menu*

Picture Mode	**Normal** **Cinema1**: Mellows images and enhances detail in dark scenes. **Cinema2**: Sharpens images and enhances detail in dark scenes. **Animation, Dynamic** **User** (Press [ENTER] to select **"Picture Adjustment")** (➜ below)
	Picture Adjustment **Contrast, Brightness, Sharpness, Colour Gamma**: Adjusts the brightness of dark parts. **Depth Enhancer** Reduces the rough noise in the background to give a greater feeling of depth.
Video Output Mode	**625i*** (or **525i***) (Interlace) ⟷ **625p*** (or **525p***) (Progressive) When you select "625p" or "525p", a confirmation screen appears. Select "Yes" only if connecting to a progressive output compatible television. *The number displayed depends on the disc being played or "Picture/Video Output" setting (➜ page 21).
Transfer Mode	If you have chosen "625p" or "525p" (➜ above), select the method of conversion for video output to suit the type of material. When you play PAL discs, MPEG4 or DivX video contents **Auto**: Detects 25 frame-per-second film content and appropriately converts it. **Video**: Select when using Auto, and the video content is distorted. When you play NTSC discs **Auto1** (normal): Detects 24 frame-per-second film content and appropriately converts it. **Auto2**: Compatible with 30 frame-per-second film content in addition to 24 frame-per-second film content. **Video**: Select when using Auto1 or Auto2, and the video content is distorted.
Source Select DivX	When you select "Auto" the constructing method of the DivX contents is automatically distinguished and output. If the picture is distorted, select "I (Interlace)" or "P (Progressive)" depending on which constructing method was used when the contents were recorded to disc. **Auto**, **I (Interlace)**, **P (Progressive)**

■ *Audio Menu*

Dolby Pro Logic II	(➜ page 24, Dolby Pro Logic II)
Dialogue Enhancer	**To make the dialogue in movies easier to hear** DVD-V (Dolby Digital, DTS, MPEG, 3-channel or higher, with the dialogue recorded in the center channel) DivX (Dolby Digital, 3-channel or higher, with the dialogue recorded in the center channel) **On ⟷ Off**
Multi Re-master (HT845 HT885)	RAM DVD-RW (VR) DVD-V (Discs recorded with 48 kHz only) DVD-A (Discs recorded with 44.1 kHz or 48 kHz only) VCD CD ●During 2ch output of these discs, this feature gives you a more natural sound by adding the higher frequency signals not recorded on the disc, for example, playing DVD-Video recorded with 48 kHz at 96 kHz. (Sampling frequency ➜ page 3) ●During multi-channel output of these discs, this feature reproduces the frequencies lost during recording to give you a sound closer to the original. WMA MP3 (Disc recording is other than 8 kHz, 16 kHz, 32 kHz) This feature reproduces the higher frequencies lost during recording to give you a sound closer to the original. **1 ⟷ 2 ⟷ 3 ⟷ Off** DVD-A DVD-V CD (LPCM/PPCM) 1 High tempo (e.g., pop and rock) 2 Various tempos (e.g., jazz) 3 Low tempo (e.g., classical) **Other discs** 1 Light effect 2 Medium effect 3 Strong effect ●You can confirm the sampling frequency on the screen. ●This may not work depending on the discs recording.
Sound Enhancement	Except MPEG4 DivX Enhances audio output to produce a warm hall-like sound. **On ⟷ Off**

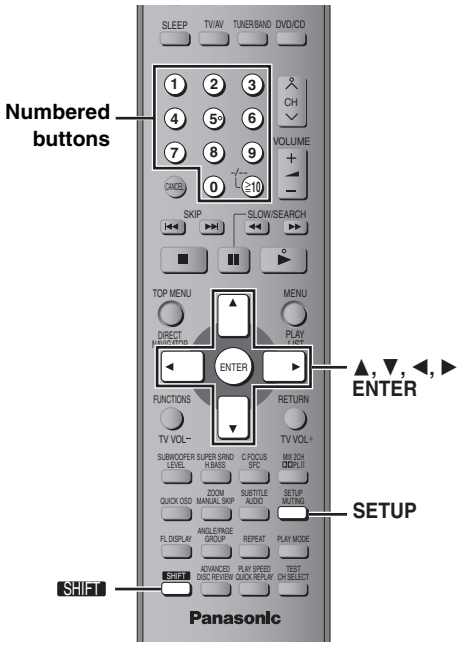
■ *Display Menu*

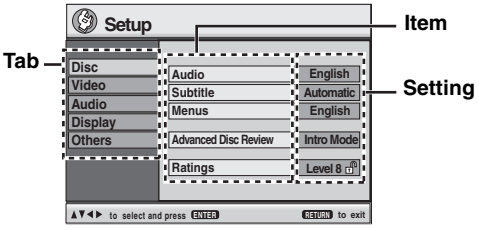
Information	**On ⟷ Off**
Subtitle Position	**0 to −60 (in 2 unit steps)**
Subtitle Brightness	**Auto, 0 to −7**
Just Fit Zoom	**To select the appropriate screen size to fit your TV screen**
Manual Zoom	**To zoom in and out manually**
Bit Rate Display	DVD-A (Motion picture part) RAM DVD-RW (VR) DVD-V VCD MPEG4 DivX **On ⟷ Off**
GUI See-through	**Off, On, Auto**
GUI Brightness	**−3 to +3**
Quick OSD	**To display current playback condition** **Off, Basics, Details** After registering the item, press [RETURN] to show the QUICK OSD screen (➜ page 14).

■ *Other Menu*

Setup	(➜ page 20)
Play as DVD-Video or **Play as DVD-Audio**	Select "Play as DVD-Video" to play DVD-Video contents of DVD-Audio.
Play as DVD-VR, Play as HighMAT or **Play as Data Disc**	Select "Play as Data Disc" to play JPEG, MPEG4 or DivX video contents on DVD-RAM or to play a HighMAT disc without using the HighMAT function.

Changing the player settings





- The settings remain intact even if you switch the unit to standby.
- Underlined items are the factory preset in the following diagram.

1 SHIFT + SETUP MUTING

Show the Setup menu.
If you have not set QUICK SETUP (➜ page 10), the QUICK SETUP screen appears.

2 Select / Go right

Select the tab.

3 Select / Register

Select the item.

4 Select / Register

Make the settings.

5 SHIFT + SETUP MUTING

Press to exit.

QUICK SETUP enables successive settings of the items in the shaded area.

■ *"Disc" tab*

Audio Choose the audio language.	●<u>English** ●French ●German ●Italian ●Spanish ●Polish ●Swedish ●Dutch ●Original※1 ●Other✳✳✳✳※2
Subtitle Choose the subtitle language.	●<u>Automatic</u>※3 ●English ●French ●German ●Italian ●Spanish ●Polish ●Swedish ●Dutch ●Other✳✳✳✳※2
Menus Choose the language for disc menus. Changing the menu language in QUICK SETUP also changes this setting.	●<u>English</u> ●French ●German ●Italian ●Spanish ●Polish ●Swedish ●Dutch ●Other✳✳✳✳※2
Advanced Disc Review (➜ page 14)	●<u>Intro Mode</u>: Reviews each title/program. ●Interval Mode: Reviews not only each title/program but also each 10 minute interval within a title/program.
Ratings Set a ratings level to limit DVD-Video play.	Setting ratings (When level 8 is selected) ●<u>8 No Limit</u> ●1 to 7 ●0 Lock All: To prevent play of discs without ratings levels. When you select your ratings, a password screen is shown. Follow the on-screen instructions. **Do not forget your password.** A message screen will be shown if a DVD-Video exceeding the ratings level is inserted in the unit. Enter your password and then follow the on-screen instructions.

※1 The original language designated on the disc is selected.
※2 Input a code number referring to the table on page 31.
※3 If the language selected for "Audio" is not available, subtitles appear in that language (if available on the disc).

■ *"Video" tab*

TV Aspect Choose the setting to suit your television and preference.	●<u>4:3 Pan&Scan</u>: Regular aspect television (4:3) The sides of the widescreen picture are cut off so it fills the screen (unless prohibited by the disc).
	●4:3 Letterbox: Regular aspect television (4:3) Widescreen picture is shown in the letterbox style.
	●16:9: Widescreen television (16:9)
TV Type Select to suit the type of television.	●<u>Standard (Direct View TV)</u> ●CRT Projector ●LCD TV/Projector ●Projection TV ●Plasma TV
Time Delay When connected with a Plasma display, adjust if you notice the audio is out of sync with the video.	●<u>0ms</u> ●20ms ●40ms ●60ms ●80ms ●100ms

Video Out (AV/Component) Choose the video signal format to be output from the SCART (AV) and Component terminal.	● Video/YPbPr ● S-Video/YPbPr ● RGB/No Output
Still Mode Specify the type of picture shown when paused.	● Automatic ● Field: The picture is not blurred, but picture quality is lower. ● Frame: Overall quality is high, but the picture may appear blurred.
NTSC Disc Output Choose PAL 60 or NTSC output when playing NTSC discs (➜ page 11, Video systems)	● PAL60: When connected to a PAL television. ● NTSC: When connected to an NTSC television.
Picture/Video Output Change the video signal format to be output for JPEG, MPEG4 and DivX video if picture output is not smooth during playback.	● Automatic ● PAL ● NTSC/PAL60: Output will depend on "NTSC Disc Output" setting (➜ above).

■ *"Audio" tab*

Dynamic Range Compression	● Off ● On: Adjusts for clarity even when the volume is low by compressing the range of the lowest sound level and the highest sound level. Convenient for late night viewing. (Only works with Dolby Digital)
Speaker Settings (➜ below) Set the delay time for your center and surround speakers.	● Center: 0.0/1.0/2.0/3.0/4.0/5.0 ms ● Surround (L/R): 0.0/5.0/10.0/15.0 ms

■ *"Display" tab*

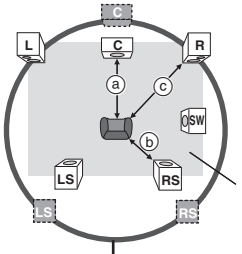
Menu Language	● English ● Français ● Deutsch ● Italiano ● Español ● Polski ● Svenska ● Nederlands
On-Screen Messages	● On ● Off
Background during Play Select background during JPEG, MPEG4 and DivX video playback.	● Black ● Grey

■ *"Others" tab*

FL Dimmer Changes the brightness of the unit's display.	● Bright ● Dim ● Auto: The display is dimmed, but brightens when you perform some operations.
DivX Registration Displays the unit's registration code.	You need this registration code to purchase and play DivX Video-on-Demand (VOD) content. (➜ page 30, About DivX VOD content)
QUICK SETUP	● Yes ● No
Re-initialise Setting This returns all values in the Setup menus to the default settings.	● Yes: The password screen is shown if "Ratings" (➜ page 20) is set. Please enter the same password. After "INIT" on the display disappears, turn the unit off and on again. ● No

Changing the delay time (Speaker Settings)

(Effective when playing multi-channel audio)
(Center and surround speakers only)
For optimum listening with 5.1-channel sound, all the speakers, except for the subwoofer, should be the same distance from the seating position. If you have to place the center or surround speakers closer to the seating position, adjust the delay time to make up for the difference.



: Actual speakers position

: Ideal speakers position

ⓐ ⓑ ⓒ : Primary listening distance

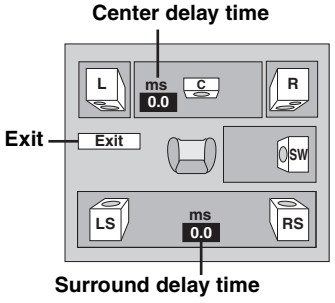
Approximate room dimensions

Circle of constant primary listening distance

If either distance ⓐ or ⓑ is less than ⓒ, find the difference in the table and change to the recommended setting.

ⓐ Center speaker		ⓑ Surround speaker	
Difference (Approx.)	Setting	Difference (Approx.)	Setting
30 cm	1.0 ms	150 cm	5.0 ms
60 cm	2.0 ms	300 cm	10.0 ms
90 cm	3.0 ms	450 cm	15.0 ms
120 cm	4.0 ms		
150 cm	5.0 ms		

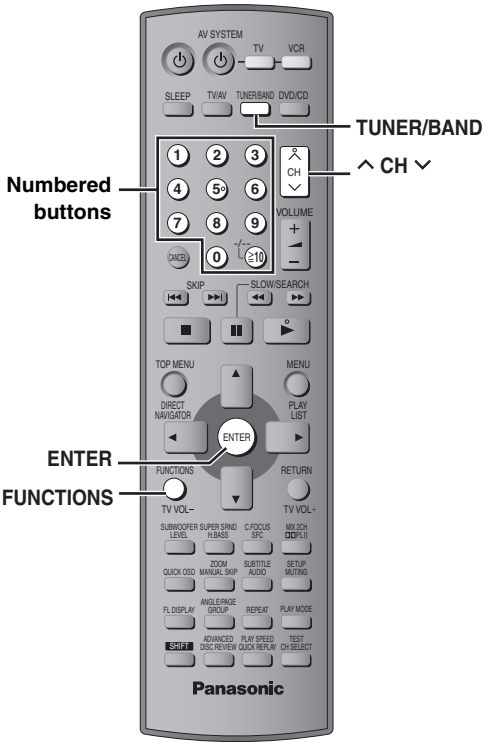
1 Press [▲, ▼] to select the delay time box and press [ENTER].
2 Press [▲, ▼] to adjust the delay time and press [ENTER].

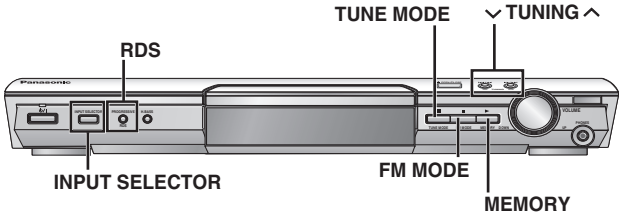


To finish the speaker setting
Press [◀] to select "Exit" and press [ENTER].

When you change the surround speaker setting for Dolby Digital, the setting also changes for Dolby Pro Logic II.
e.g., the settings for MUSIC are the same as those for Dolby Digital.

Dolby Digital	Dolby Pro Logic II	
	MUSIC	MOVIE
0 ms	0 ms	10 ms
5 ms	5 ms	15 ms
10 ms	10 ms	20 ms
15 ms	15 ms	25 ms





Automatic presetting

Main unit only

Up to 15 stations can be set in each band, FM and AM.

1 Press [INPUT SELECTOR] to select “FM” or “AM”.

2 Press [TUNE MODE] to select “MANUAL”.

Each time you press the button: MANUAL←→PRESET

3 Press [∨ TUNING ∧] to tune to the lowest frequency (FM: 87.50, AM: 522).

4 Press and hold [MEMORY].

Release the button when “FM AUTO” or “AM AUTO” is displayed.

The tuner presets all the stations it can receive into the channels in ascending order.

- “SET OK” is displayed when the stations are set, and the radio tunes to the last preset station.
- “ERROR” is displayed when automatic presetting is unsuccessful. Preset the channels manually (➜ right).

Selecting the preset channels

1 Press [TUNER/BAND] to select “FM” or “AM”.

2 Press the numbered buttons to select the channel.

Alternatively, press [∧ CH ∨].

To select a 2-digit number

e.g. 12: [≧10] ➜ [1] ➜ [2]

When a stereo FM broadcast is being received.

■ If noise is excessive in FM

Main unit only

Press [FM MODE] to display “MONO”.

Press [FM MODE] again to cancel the mode.
The mode is also canceled when you change the frequency.

Manual tuning

Main unit only

1 Press [INPUT SELECTOR] to select “FM” or “AM”.

2 Press [TUNE MODE] to select “MANUAL”.

3 Press [∨ TUNING ∧] to select the frequency.

Press and hold [∨ TUNING ∧] until the frequency starts scrolling to start automatic tuning. Tuning stops when a station is found.

■ Presetting the channel

Up to 15 stations can be set in each band, FM and AM.

1 While listening to the radio broadcast

Press [ENTER].

2 While the frequency and “P” are flashing on the display

Press the numbered buttons to select a channel.

Alternatively, press [∧ CH ∨], then press [ENTER]

- **To select a 2-digit number**

e.g. 12: [≧10] ➜ [1] ➜ [2].

The station occupying a channel is erased if another station is preset to that channel.

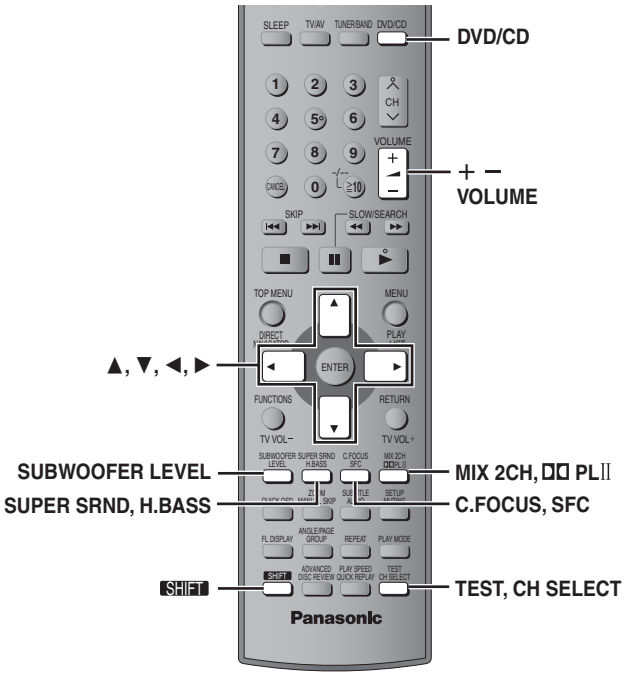
RDS broadcasting

The unit can display the text data transmitted by the radio data system (RDS) available in some areas.
If the station you are listening to is transmitting RDS signals, “RDS” will light up on the display.

Press [RDS] on the main unit or [FUNCTIONS] on the remote control to display the text data.

Each time you press the button:
PS (factory preset)→PTY→ Frequency display
↑——————————————

Sound field and sound quality



Note

- When connected with headphones, the following sound field systems have no effect. (Excluding Sound Field Control)
- You may experience a reduction in sound quality when these sound field systems are used with some sources. If this occurs, turn the sound field system off.
- If you turn on Super Surround, Dolby Pro Logic II is canceled and vice versa.
- The following functions may not work depending on the discs recording.

Sound Field Control

C.FOCUS SFC

Changes the sound quality.

Press [SFC].

Each time you press the button:

FLAT: Cancel (no effect is added) (factory preset).
HEAVY: Adds punch to rock.
CLEAR: Clarifies higher sounds.
SOFT: For background music.
DISCO: Reverberates sound to make you feel like you are in a disco.
LIVE: Makes vocals more alive.
HALL: Expands sound to make you feel like you are in a hall.

To check the current setting
Press [SFC].

Super Surround

SHIFT + SUPER SRND H.BASS

Adds surround effects to stereo sound.

Press [SHIFT]+[SUPER SRND].

Each time you press the button:

MUSIC: Adds surround effects to stereo sources.
MOVIE: Use this mode when playing movie software.
PARTY: Sound is in stereo regardless of the direction you are facing.
OFF: Cancel

- You can adjust the volume of the surround speakers to get the best surround effect (➜ page 25, Speaker level adjustments).
- Super Surround does not work when playing a DVD recorded with a multi-channel source.

Center Focus

SHIFT + C.FOCUS SFC

(Discs where the dialogue is recorded in the center channel)
You can make the sound of the center speaker seem like it is coming from within the television.

Press [SHIFT]+[C.FOCUS].

Each time you press the button:
C FOCUS ON⟷C FOCUS OFF

- This does not work when Super Surround is turned on.
- This also works when Dolby Pro Logic II is turned on.

Dolby Pro Logic II

MIX 2CH ◻◻PLII

Except DivX
Dolby Pro Logic II is an advanced decoder that derives 5-channel surround (Left and Right Front, Center, Left and Right Surround) from any stereo program material, whether or not it has been specifically Dolby Surround encoded.

Press [◻◻PLII].

Each time you press the button:

MOVIE: Movie software, recorded in Dolby Surround.
MUSIC: Stereo sources
OFF: Cancel

- This works only in DVD/CD mode.
- "◻◻PLII" lights when there is effect.

Down-mixing

SHIFT + MIX 2CH ◻◻PLII

You can output the down-mixed 2 channel signals when necessary .

Press [SHIFT]+[MIX 2CH].

Each time you press the button:
MIX 2CH ON⟷MIX 2CH OFF

When "D.MIX" flashes on the display, the disc contains multiple-channel signals that cannot be down-mixed. DVD-A

Enhancing the bass sound

SUPER SRND H.BASS

You can enhance low-frequency sound so that heavy bass sound can be heard clearly, even if the acoustics of your room are not optimal. The unit automatically selects the most suitable setting according to the type of playing source.

Press [H.BASS].

HT845 HT885 H.BASS indicator lights on the main unit.

●DVD-V RAM DVD-RW (VR)
H. BASS ON (factory preset)⟷H. BASS OFF
●**When another source is selected**
H. BASS OFF (factory preset)⟷H. BASS ON

The setting you make is retained, and recalled every time you play the same type of source.

Subwoofer level

SUBWOOFER LEVEL

You can adjust the amount of bass. The unit automatically selects the most suitable setting according to the type of playing source.

Press [SUBWOOFER LEVEL].

●DVD-V RAM DVD-RW (VR)
SUB W 4 (factory preset)→SUB W 1→SUB W 2→SUB W 3
↑_____↓

●**When another source is selected**
SUB W 2 (factory preset)→SUB W 3→SUB W 4→SUB W 1
↑_____↓

The setting you make is retained, and recalled every time you play the same type of source.

Speaker level adjustments

SHIFT + TEST CH SELECT

This is one of the ways to get appropriate surround effects.
Preparation
Press [DVD/CD].

1 **While stopped and no on-screen display is shown**

Press [SHIFT]+[TEST] to output a test signal.

L: Front left C: Center R: Front right
RS: Right surround LS: Left surround

●There is no output from SW (subwoofer) channel.

2 ### Press [VOLUME, +] or [−] to set the volume level normally used for listening.

3 ### Press [▲] (increase) or [▼] (decrease) to adjust the speaker level for each speaker.

C, RS, LS: −6 dB to +6 dB
(L, R: Only the balance is adjustable.)
●**To adjust the balance of the front speakers**
While outputting the test signal, press [◄, ►].
●Adjust the speaker level to the same level as the front speakers.

To stop the test signal
Press [SHIFT]+[TEST] again.

■ To adjust speaker level during play

(Effective when playing multi-channel audio or when Dolby Pro Logic II or Super Surround is on.)

1 **Press [CH SELECT] to select the speaker.**

L →C →R →RS →LS →SW
↑_____↓

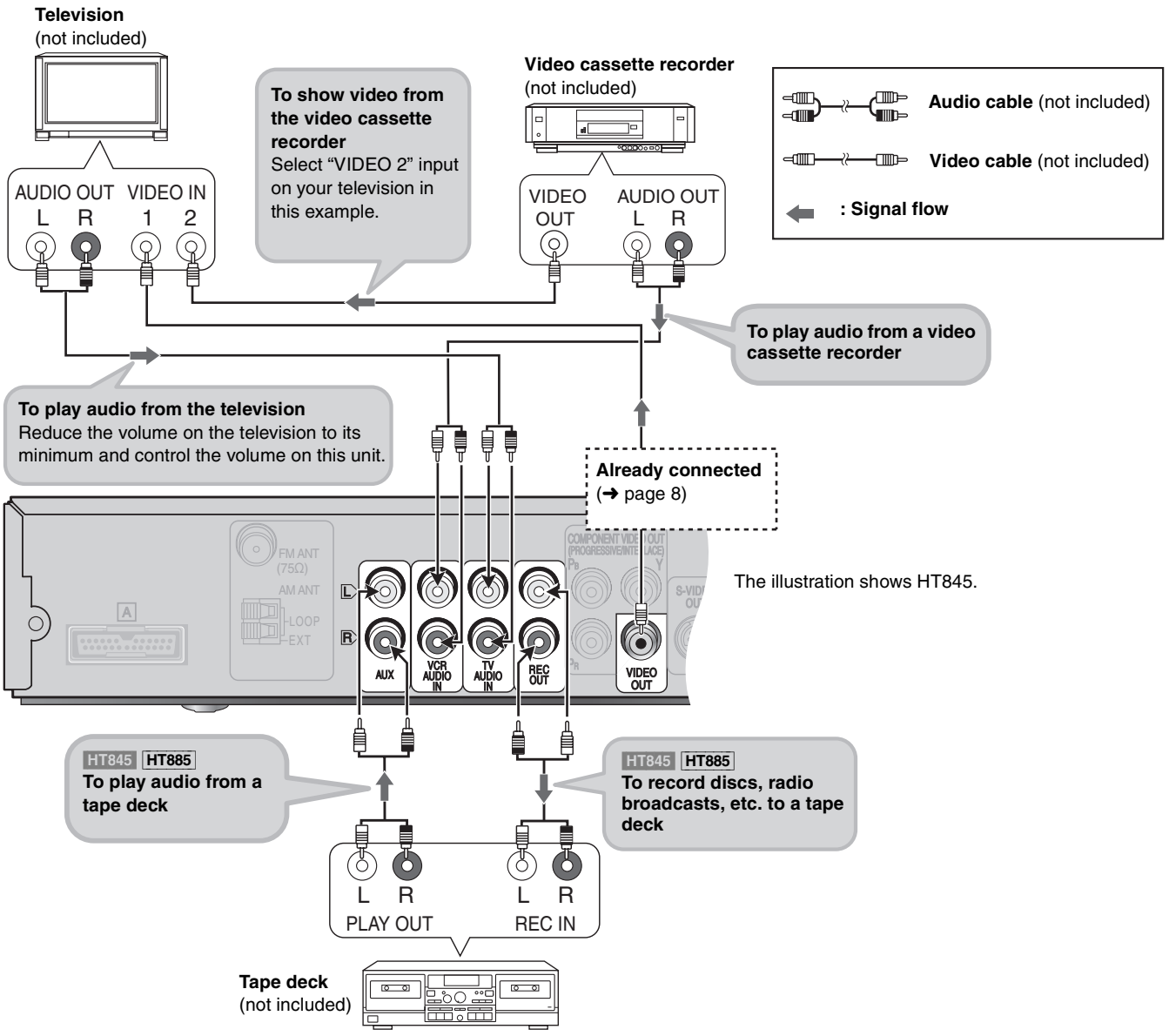
SW: Subwoofer

●You can adjust SW only if the disc includes a subwoofer channel.
●"SW" does not appear on the display and is not adjustable when Dolby Pro Logic II is turned on.
●"S" appears on the display when "MUSIC" or "MOVIE" is selected with Super Surround (➜ page 24). In this case, you can adjust both surround speaker levels at the same time using [▲, ▼].
S: −6 dB to +6 dB

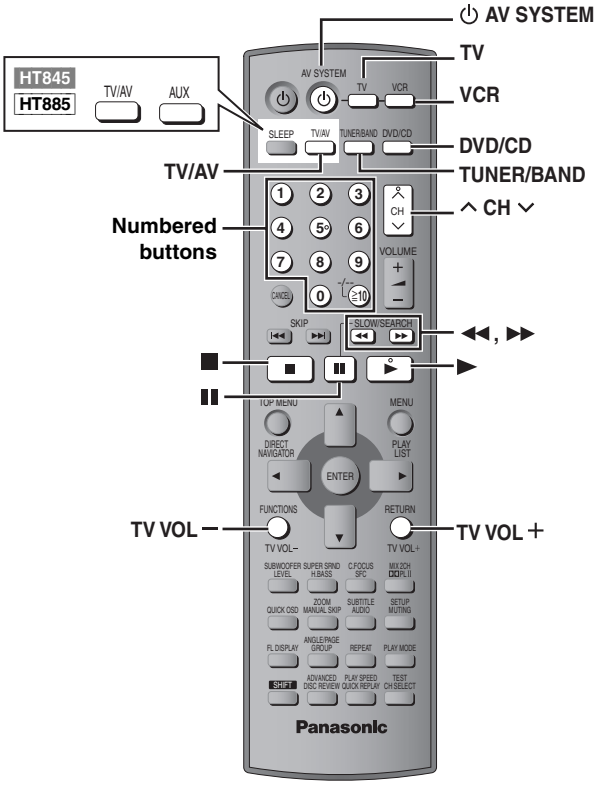
2 **Press [▲] (increase) or [▼] (decrease) to adjust the speaker level for each speaker.**

C, RS, LS, SW: −6 dB to +6 dB
(L, R: Only the balance is adjustable.)
●**To adjust the balance of the front speakers**
While "L" or "R" is selected, press [◄, ►].

■ Connection example



The illustration shows HT845.



The illustration shows HT535.

Operating the television and the video cassette recorder

You can use the remote control to operate a Panasonic television or a video cassette recorder. Connect your equipment referring to "Connection example" (➜ page 26).

Note
The remote control may not work properly with some models.

Television

Preparation
Aim the remote control at the unit and press [TV] to light up the button, and then aim it at the television for the following operations:

Turning the television on/off
Press [⏻ AV SYSTEM].

Switching the television's video input mode
Press [TV/AV].

Changing channels
Press [∧ CH ∨].

Adjusting the volume
Press [TV VOL−] or [TV VOL+].

Video cassette recorder

Preparation
- Change the video input mode on the television ("VIDEO 2" in the example).
- Aim the remote control at the unit and press [VCR] to light up the button, and then aim it at the video cassette recorder for the following operations:

Turning the video cassette recorder on/off
Press [⏻ AV SYSTEM].

Play, pause and stop
Press [▶] (play), [❚❚] or [■].

Fast forward and rewind
Press [◀◀] or [▶▶].

Connecting a laser disc or record player
Connect instead of a video cassette recorder (➜ page 26) and select "VCR" as the source.

We recommend using a record player with a built-in phono equalizer. If your player doesn't have a built-in equalizer, connect it first to a separate equalizer and then to the unit.

Changing the remote control code (HT845 HT885)

This remote control can also operate some other brands of televisions and video cassette recorders. Change the code to operate such equipment (➜ right).

Aim the remote control at the equipment.

While pressing [TV] or [VCR]

Press a numbered button to enter the first digit, and then the second digit.

The remote control outputs the on/off signal. If the code is correct, the equipment turns on or off. If it doesn't, try entering another code.

Note
Reenter the codes after you change the batteries.

Operating the tape deck (HT845 HT885)

Recording to the tape deck

1 Press [DVD/CD] to select "DVD/CD".

or

Press [TUNER/BAND] to select "FM" or "AM".

2 Start recording and play.

Listening to the tape deck

Press [AUX] to select "AUX" as the source.

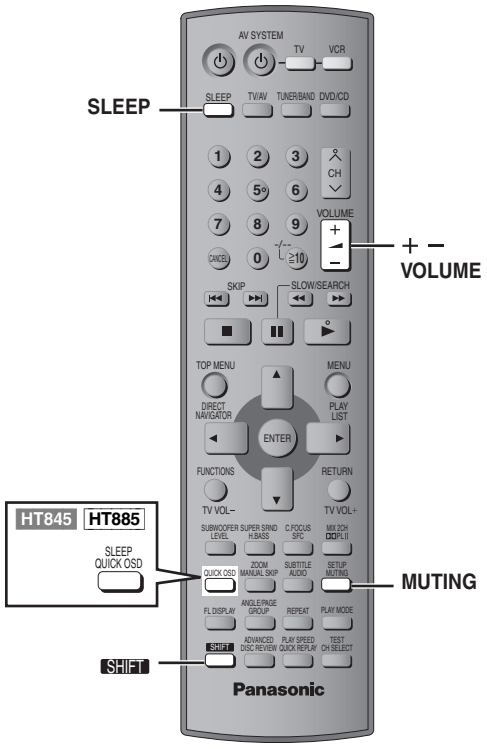
Television code list

PANASONIC:	01, 29, 30, 31
AKAI:	07, 11, 28, 36, 37
ALBA:	05, 11, 12
BAUR:	32
BLAUPUNKT:	28, 36
BRANDT:	26, 41
BUSH:	02, 05, 10, 11, 12, 32, 38
DAEWOO:	11, 12, 32
DUAL:	32
FERGUSON:	11, 12
FINLUX:	11, 12, 22, 23, 24, 25, 40
FISHER:	37
FUNAI:	02, 38
GOLDSTAR:	11, 12
GOODMANS:	11, 12, 25, 32
GRUNDIG:	28, 36
HITACHI:	01, 09, 26, 41
ICE:	21, 39
INNO HIT:	34
ITT/NOKIA:	05, 07, 37
JVC:	18
KENDO:	40
LOEWE:	14, 33
LOEWE OPTA:	32
LUXOR:	37
MATSUI:	02, 05, 06, 07, 10, 11, 12, 25, 37, 38
MITSUBISHI:	14, 19, 28, 36
NOKIA:	05, 07, 37
NORDMENDE:	26, 41
OCEANIC:	27, 35
ORION:	02, 03, 05, 10, 11, 12, 38
PHILIPS:	11, 12, 13, 15
PHONOLA	11, 12
RADIOLA:	11, 12
ROADSTAR:	39
SABA:	26, 41
SALORA:	07, 37
SAMSUNG:	11, 12, 15, 21, 25, 34, 39
SANYO:	07, 17, 25, 37
SCHNEIDER:	11, 12
SEG:	39, 40
SELECO:	11, 24
SHARP:	17, 20
SIEMENS:	11, 12, 17, 28, 36
SINUDYNE:	02, 05, 11, 12, 22, 24, 38, 40
SONY:	16
THOMSON:	05, 26, 41
THORN:	06, 08, 11, 12, 14, 16, 25, 32
TOSHIBA:	03, 04, 06, 08
UNIVERSUM:	39
WHITE WESTING HOUSE:	11, 12, 22, 40

Video cassette recorder code list

PANASONIC:	01, 29, 30
AKAI:	06, 08, 16, 17, 19, 37
ALBA:	02, 06, 23
BAIRD:	08, 10, 37
BLAUPUNKT:	01, 26, 29, 30, 33
BUSH:	02, 09, 23
DAEWOO:	15
FERGUSON:	31
FISHER:	05, 07, 10, 11, 12
GOLDSTAR/LG:	03, 04, 36, 37
GOODMANS:	02, 03, 18, 23, 27, 33
GRUNDIG:	02, 23, 26, 28, 32, 33
HCM:	02, 23
HITACHI:	13, 14
ITT:	08, 10, 11, 37
ITT/NOKIA:	18, 27, 37
JVC:	20, 21
KENDO:	08, 09, 37
LOEWE:	03, 32
LUXOR:	08, 10, 11, 17, 19, 37
MATSUI:	03, 05, 09
METZ:	01
MITSUBISHI:	17, 19, 21, 32
NEC:	04, 21, 36, 37
NOKIA:	08, 10, 11, 18, 22, 27, 37
NORDMENDE:	20, 21
OKANO:	06
ORION:	05, 09
PHILIPS:	22, 32, 33, 34, 35
PHONOLA:	32
RFT:	33
ROADSTAR:	02, 03, 18, 23, 27
SABA:	21
SALORA:	08, 11, 17, 19, 37
SAMSUNG:	15, 16, 18, 27
SANYO:	07, 10, 11
SCHAUB LORENZ:	10
SCHNEIDER:	02, 03, 18, 23, 27, 32
SEG:	02, 18, 23, 27
SHARP:	22
SIEMENS:	03, 10, 11, 32
SONY:	24, 25, 26
THOMSON:	21
THORN:	10
TOSHIBA:	15, 17, 19, 32
UNIVERSUM:	03, 08, 32, 37

Other useful functions



Sleep timer

HT535 SLEEP

HT845 HT885 SHIFT + SLEEP QUICK OSD

Press [SLEEP] (HT845 HT885 [SHIFT]+[SLEEP]) to select the time (in minutes).

SLEEP 30 → SLEEP 60 → SLEEP 90 → SLEEP 120 → OFF → (SLEEP 30)

To cancel the timer

Press [SLEEP] (HT845 HT885 [SHIFT]+[SLEEP]) to select “OFF”.

To confirm the remaining time

Press [SLEEP] (HT845 HT885 [SHIFT]+[SLEEP]) again.

To change the setting

Repeat the procedure from the beginning.

Muting

SETUP MUTING

Press [MUTING].

“MUTING” flashes on the unit’s display.

To cancel

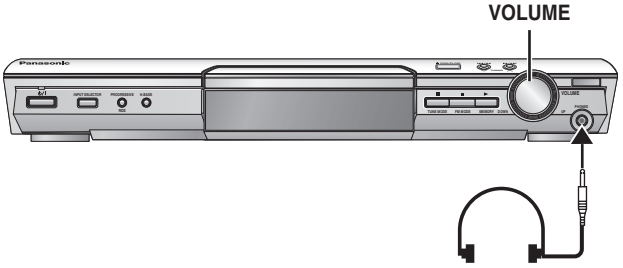
- Press [MUTING] again or reduce the volume to minimum (– – dB), then raise it to the required level.
- Muting is canceled when you switch the unit to standby.

Using headphones

Main unit only

1 Reduce the volume and connect the headphones (not included).

Headphone plug type: 3.5 mm stereo



2 Adjust headphone volume with [VOLUME].

- Audio is automatically switched to stereo (2-channel).

Note

Avoid listening for prolonged periods of time to prevent hearing damage.

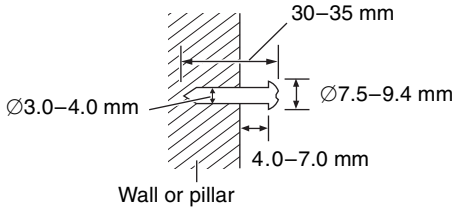
Other speaker setup options

■ Attaching to a wall

You can attach all of the speakers to a wall.

❶ Drive a screw (not included) into the wall.

❷ Fit the speaker securely onto the screw(s) with the hole(s).



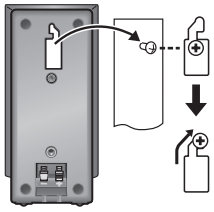
- The wall or pillar on which the speakers are to be attached should be capable of supporting 10 kg per screw. Consult a qualified building contractor when attaching the speakers to a wall. Improper attachment may result in damage to the wall and speakers.
- Use of optional speaker cables is recommended for wall-mounted front (or surround HT885) speakers. (You can also remove the speaker cables from the pipes supplied with this system).

HT845 (Front speakers only) HT885 (Front and surround speakers)

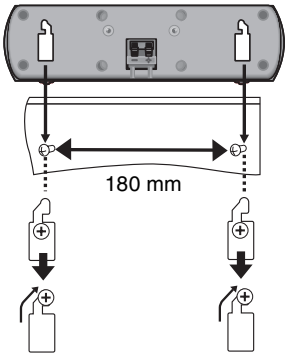
- When mounting the front or surround speakers to a wall, we recommend using a string (not included) to prevent it from falling (➜ page 5).

e.g.

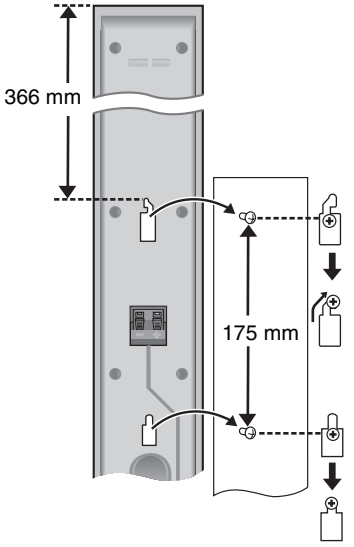
Surround speakers HT535



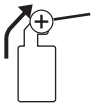
Center speaker



Front speakers HT845
Front and surround speakers HT885



In this position, the speaker will likely fall if moved to the left or right.



Move the speaker so that the screw is in this position.

■ Fitting speaker stands (not included)

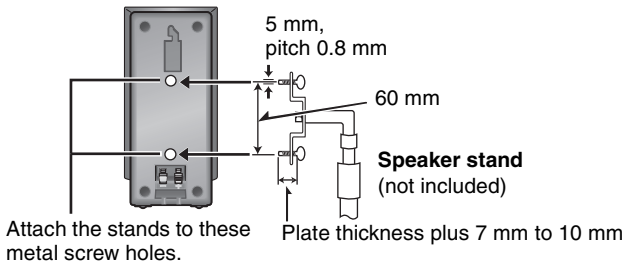
(Except HT535 HT845 Front speakers HT885 Front and surround speakers)

Ensure the stands meet these conditions before purchasing them.

Note the diameter and length of the screws and the distance between screws as shown in the diagram.

- The stands must be able to support over 10 kg.
- The stands must be stable even if the speakers are in a high position.

e.g. **Surround speakers HT535**



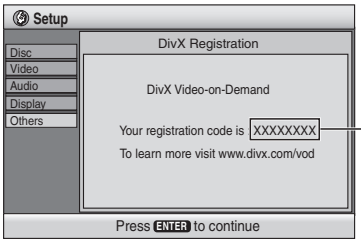
About DivX VOD content

DivX Video-on-Demand (VOD) content is encrypted for copyright protection. In order to play DivX VOD content on this unit, you first need to register the unit.

Follow the online instructions for purchasing DivX VOD content to enter the unit's registration code and register the unit. For more information about DivX VOD, visit www.divx.com/vod.

Display the unit's registration code

(➜ page 21, "DivX Registration" in "Others" tab)



- We recommend that you make a note of this code for future reference.
- After playing DivX VOD content for the first time, another registration code is then displayed in "DivX Registration". Do not use this registration code to purchase DivX VOD content. If you use this code to purchase DivX VOD content, and then play the content on this unit, you will no longer be able to play any content that you purchased using the previous code.
- If you purchase DivX VOD content using a registration code different from this unit's code, you will not be able to play this content. ("Authorization Error" is displayed.)

Regarding DivX content that can only be played a set number of times

Some DivX VOD content can only be played a set number of times. When you play this content, the remaining number of plays is displayed. You cannot play this content when the number of remaining plays is zero. ("Rented Movie Expired" is displayed.)

When playing this content

- The number of remaining plays is reduced by one if
  - you turn off the unit or press [SHIFT]+[SETUP].
  - you press [■]. (Press [❚❚] to pause play.)
  - you press [|◀◀, ▶▶|] or [◀◀, ▶▶] etc. and arrive at another content or the start of the content being played.
- Resume (➜ page 13, Stop) and Marker (➜ page 19, Play Menu) functions do not work.

Maintenance

Clean this unit with a soft, dry cloth.

- Never use alcohol, paint thinner or benzine to clean this unit.
- Before using chemically treated cloth, carefully read the instructions that came with the cloth.

Do not use commercially available lens cleaners as they may cause malfunction. (Cleaning of the lens is generally not necessary although this depends on the operating environment.)

Before moving the unit, ensure the disc tray is empty.
Failure to do so will risk severely damaging the disc and the unit.

Disc handling

■ To clean discs

Wipe with a damp cloth and then wipe dry.

■ Disc handling precautions

- Do not attach labels or stickers to discs (This may cause disc warping, rendering it unusable).
- Do not write on the label side with a ball-point pen or other writing instrument.
- Do not use record cleaning sprays, benzine, thinner, static electricity prevention liquids or any other solvent.
- Do not use scratch-proof protectors or covers.
- Do not use the following discs:
  - Discs with exposed adhesive from removed stickers or labels (rented discs, etc.).
  - Discs that are badly warped or cracked.
  - Irregularly shaped discs, such as heart shapes.

Language code list

Abkhazian:	6566	Finnish:	7073	Macedonian:	7775	Somali:	8379
Afar:	6565	French:	7082	Malagasy:	7771	Spanish:	6983
Afrikaans:	6570	Frisian:	7089	Malay:	7783	Sundanese:	8385
Albanian:	8381	Galician:	7176	Malayalam:	7776	Swahili:	8387
Ameharic:	6577	Georgian:	7565	Maltese:	7784	Swedish:	8386
Arabic:	6582	German:	6869	Maori:	7773	Tagalog:	8476
Armenian:	7289	Greek:	6976	Marathi:	7782	Tajik:	8471
Assamese:	6583	Greenlandic:	7576	Moldavian:	7779	Tamil:	8465
Aymara:	6589	Guarani:	7178	Mongolian:	7778	Tatar:	8484
Azerbaijani:	6590	Gujarati:	7185	Nauru:	7865	Telugu:	8469
Bashkir:	6665	Hausa:	7265	Nepali:	7869	Thai:	8472
Basque:	6985	Hebrew:	7387	Norwegian:	7879	Tibetan:	6679
Bengali; Bangla:	6678	Hindi:	7273	Oriya:	7982	Tigrinya:	8473
Bhutani:	6890	Hungarian:	7285	Pashto, Pushto:	8083	Tonga:	8479
Bihari:	6672	Icelandic:	7383	Persian:	7065	Turkish:	8482
Breton:	6682	Indonesian:	7378	Polish:	8076	Turkmen:	8475
Bulgarian:	6671	Interlingua:	7365	Portuguese:	8084	Twi:	8487
Burmese:	7789	Irish:	7165	Punjabi:	8065	Ukrainian:	8575
Byelorussian:	6669	Italian:	7384	Quechua:	8185	Urdu:	8582
Cambodian:	7577	Japanese:	7465	Rhaeto-Romance:	8277	Uzbek:	8590
Catalan:	6765	Javanese:	7487	Romanian:	8279	Vietnamese:	8673
Chinese:	9072	Kannada:	7578	Russian:	8285	Volapük:	8679
Corsican:	6779	Kashmiri:	7583	Samoan:	8377	Welsh:	6789
Croatian:	7282	Kazakh:	7575	Sanskrit:	8365	Wolof:	8779
Czech:	6783	Kirghiz:	7589	Scots Gaelic:	7168	Xhosa:	8872
Danish:	6865	Korean:	7579	Serbian:	8382	Yiddish:	7473
Dutch:	7876	Kurdish:	7585	Serbo-Croatian:	8372	Yoruba:	8979
English:	6978	Laotian:	7679	Shona:	8378	Zulu:	9085
Esperanto:	6979	Latin:	7665	Sindhi:	8368		
Estonian:	6984	Latvian, Lettish:	7686	Singhalese:	8373		
Faroese:	7079	Lingala:	7678	Slovak:	8375		
Fiji:	7074	Lithuanian:	7684	Slovenian:	8376		

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Designed for Windows Media™

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Specifications

AMPLIFIER SECTION

HT535

RMS Output Power: Dolby Digital Mode

Front Ch	55 W per channel (6 Ω), 1 kHz, 10 % THD
Surround Ch	55 W per channel (6 Ω), 1 kHz, 10 % THD
Center Ch	160 W per channel (6 Ω), 1 kHz, 10 % THD
Subwoofer Ch	220 W per channel (4 Ω), 100 Hz, 10 % THD
Total RMS Dolby Digital mode power	600 W

DIN Output Power: Dolby Digital Mode

Front Ch	40 W per channel (6 Ω), 1 kHz, 1 % THD
Surround Ch	40 W per channel (6 Ω), 1 kHz, 1 % THD
Center Ch	120 W per channel (6 Ω), 1 kHz, 1 % THD
Subwoofer Ch	150 W per channel (4 Ω), 100 Hz, 1 % THD
Total DIN Dolby Digital mode power	430 W

HT845

RMS Output Power: Dolby Digital Mode

Front Ch	70 W per channel (4 Ω), 1 kHz, 10 % THD
Surround Ch	70 W per channel (4 Ω), 1 kHz, 10 % THD
Center Ch	260 W per channel (4 Ω), 1 kHz, 10 % THD
Subwoofer Ch	260 W per channel (4 Ω), 100 Hz, 10 % THD
Total RMS Dolby Digital mode power	800 W

DIN Output Power: Dolby Digital Mode

Front Ch	45 W per channel (4 Ω), 1 kHz, 1 % THD
Surround Ch	50 W per channel (4 Ω), 1 kHz, 1 % THD
Center Ch	165 W per channel (4 Ω), 1 kHz, 1 % THD
Subwoofer Ch	160 W per channel (4 Ω), 100 Hz, 1 % THD
Total DIN Dolby Digital mode power	515 W

HT885

RMS Output Power: Dolby Digital Mode

Front Ch	170 W per channel (6 Ω), 1 kHz, 10 % THD
Surround Ch	70 W per channel (4 Ω), 1 kHz, 10 % THD
Center Ch	260 W per channel (4 Ω), 1 kHz, 10 % THD
Subwoofer Ch	260 W per channel (4 Ω), 100 Hz, 10 % THD
Total RMS Dolby Digital mode power	1000 W

DIN Output Power: Dolby Digital Mode

Front Ch	140 W per channel (6 Ω), 1 kHz, 1 % THD
Surround Ch	55 W per channel (4 Ω), 1 kHz, 1 % THD
Center Ch	180 W per channel (4 Ω), 1 kHz, 1 % THD
Subwoofer Ch	180 W per channel (4 Ω), 100 Hz, 1 % THD
Total DIN Dolby Digital mode power	750 W

FM/AM TUNER, TERMINALS SECTION

Preset station	FM 15 stations
	AM/MW 15 stations
Frequency Modulation (FM)	
Frequency range	87.50–108.00 MHz (50-kHz step)
Sensitivity	1.5 µV (IHF)
S/N 26 dB	1.2 µV
Antenna terminals	75 Ω (unbalance)
Amplitude Modulation (AM/MW)	
Frequency range	522–1629 kHz (9-kHz step)
AM Sensitivity S/N 20 dB at 999 kHz	560 µV/m
Phone jack	
Terminal	Stereo, 3.5 mm jack

DISC SECTION

Discs played [8 cm or 12 cm]

(1) DVD (DVD-Video, DVD-Audio, DivX※1, 2)
(2) DVD-RAM (DVD-VR, JPEG※2, 3, MPEG4※2, 4, DivX※1, 2)
(3) DVD-R (DVD-Video, DivX※1, 2)
(4) DVD-RW (DVD-Video, DVD-VR, DivX※1, 2)
(5) +R/+RW (Video)
(6) CD, CD-R/RW [CD-DA, Video-CD, SVCD※5, MP3※2, 6, WMA※2, 7, JPEG※2, 3, MPEG4※2, 4, DivX※1, 2, HighMAT Level 2 (Audio and Image)]

※1 DivX 3.11, 4.x, 5.x
GMC (Global Motion Compensation) is not supported.
※2 The total combined maximum number of recognizable audio, picture and video contents and groups: 4000 audio, picture and video contents and 400 groups.
※3 Exif Ver 2.1 JPEG Baseline files
Picture resolution: between 160×120 and 6144×4096 pixels
(Sub sampling is 4:2:2 or 4:2:0)
※4 MPEG4 data recorded with Panasonic SD multi cameras or DVD video recorders
Conforming to SD VIDEO specifications (ASF standard)/ MPEG4 (Simple Profile) video system/G.726 audio system
※5 Conforming to IEC62107
※6 MPEG-1 Layer 3, MPEG-2 Layer 3
※7 Windows Media Audio Ver.9.0 L3
Not compatible with Multiple Bit Rate (MBR)

Pick up	
Wavelength	CD 785 nm
	DVD 662 nm
Laser power	CLASS 2/CLASS 3A
NORSK	
Bølgelengde	CD 785 nm
	DVD 662 nm
Laserstyrke	Ingen farlig stråling sendes ut
Audio output (Disc)	
Number of channels	5.1ch (FL, FR, C, SL, SR, SW)
HT845 **HT885** **Audio performance**	
(1) Frequency response	
● DVD (linear audio)	10 Hz–22 kHz (48 kHz sampling)
	10 Hz–44 kHz (96 kHz sampling)
● DVD-Audio	10 Hz–88 kHz (192 kHz sampling)
● CD-Audio	10 Hz–20 kHz
(2) S/N ratio	
● CD-Audio	95 dB
(3) Dynamic range	
● DVD (linear audio)	95 dB
● CD-Audio	93 dB
(4) Total harmonic distortion	
● CD-Audio	0.005 %

VIDEO SECTION

Video system	
Signal system	PAL625/50, PAL525/60, NTSC
Composite video output	
Output level	1 Vp-p (75 Ω)
Terminal	Pin jack (1 system)
	Scart jack (1 system)
S-video output	
Y output level	1 Vp-p (75 Ω)
C output level	PAL; 0.3 Vp-p (75 Ω)
	NTSC; 0.286 Vp-p (75 Ω)
Terminal	S terminal (1 system)
	Scart jack (1 system)
Component video output	
[NTSC: 525 (480) p/525 (480) i, PAL: 625 (576) p/625 (576) i]	
Y output level	1 Vp-p (75 Ω)
P_B output level	0.7 Vp-p (75 Ω)
P_R output level	0.7 Vp-p (75 Ω)
Terminal	Pin jack (Y: green, P_B: blue, P_R: red) (1 system)
RGB video output	
R output level	0.7 Vp-p (75 Ω)
G output level	0.7 Vp-p (75 Ω)
B output level	0.7 Vp-p (75 Ω)
Terminal	Scart jack (1 system)

SPEAKER SECTION

HT535 **Front speakers SB-FS535**

Type	2 way, 2 speaker system (Bass reflex)
Speaker unit(s)	Impedance 6 Ω
1. Full range	6.5 cm Cone type
2. Super Tweeter	Piezo type
Input power (IEC)	55 W (Max)
Output sound pressure	80 dB/W (1.0 m)
Cross over frequency	10 kHz
Frequency range	80 Hz–22 kHz (−16 dB)
	95 Hz–20 kHz (−10 dB)
Dimensions (W×H×D)	218 mm×1080 mm (max)/984 mm (min)×243 mm
Mass	2.6 kg

HT535 **Surround speakers SB-FS536**

Type	1 way, 1 speaker system (Bass reflex)
Speaker unit(s)	Impedance 6 Ω
Full range	6.5 cm Cone type
Input power (IEC)	55 W (Max)
Output sound pressure	80 dB/W (1.0 m)
Frequency range	88 Hz–25 kHz (−16 dB)
	100 Hz–22 kHz (−10 dB)
Dimensions (W×H×D)	90 mm×193 mm×102 mm
Mass	0.7 kg

HT535 **Center speaker SB-PC535**

Type	2 way, 3 speaker system (Bass reflex)
Speaker unit(s)	Impedance 6 Ω
1. Full range	6.5 cm Cone type
2. Full range	6.5 cm Cone type
3. Super Tweeter	Piezo type
Input power (IEC)	160 W (Max)
Output sound pressure	83 dB/W (1.0 m)
Cross over frequency	10 kHz
Frequency range	103 Hz–25 kHz (−16 dB)
	116 Hz–22 kHz (−10 dB)
Dimensions (W×H×D)	320 mm×88 mm×96 mm
Mass	1.3 kg

HT535 **Active subwoofer SB-WA535**

Type	1 way, 2 speaker system (Bass reflex)
Speaker unit(s)	
1. Woofer	13 cm Cone type
2. Woofer	13 cm Cone type
Output sound pressure	80 dB/W (1.0 m)
Frequency range	40 Hz–220 Hz (−16 dB)
	45 Hz–180 Hz (−10 dB)
Dimensions (W×H×D)	201.5 mm×368.2 mm×491.5 mm
Mass	11.3 kg

HT845 **Front speakers SB-FS840**

Type	2 way, 2 speaker system (Bass reflex)
Speaker unit(s)	Impedance 4 Ω
1. Woofer	8 cm Cone type
2. Tweeter	6 cm Cone type
Input power (IEC)	70 W (Max)
Output sound pressure	81 dB/W (1.0 m)
Cross over frequency	7 kHz
Frequency range	78 Hz–45 kHz (−16 dB)
	90 Hz–35 kHz (−10 dB)
Dimensions (W×H×D)	260 mm×1234 mm×270 mm
Mass	3.92 kg

HT845 **Surround speakers SB-FS841**

Type	2 way, 2 speaker system (Bass reflex)
Speaker unit(s)	Impedance 4 Ω
1. Woofer	8 cm Cone type
2. Tweeter	6 cm Cone type
Input power (IEC)	70 W (Max)
Output sound pressure	80 dB/W (1.0 m)
Cross over frequency	5 kHz
Frequency range	70 Hz–45 kHz (−16 dB)
	85 Hz–35 kHz (−10 dB)
Dimensions (W×H×D)	100 mm×324 mm×112 mm
Mass	1.06 kg

HT845 **Center speaker SB-PC840**

Type	2 way, 3 speaker system (Bass reflex)
Speaker unit(s)	Impedance 4 Ω
1. Woofer	6.5 cm Cone type
2. Woofer	6.5 cm Cone type
3. Tweeter	6 cm Cone type
Input power (IEC)	260 W※8 (Max)
Output sound pressure	82 dB/W (1.0 m)
Cross over frequency	5 kHz
Frequency range	110 Hz–45 kHz (−16 dB)
	140 Hz–35 kHz (−10 dB)
Dimensions (W×H×D)	320 mm×88 mm×96 mm
Mass	1.36 kg

HT845 **Active subwoofer SB-WA845**

Type	1 way, 2 speaker system (Bass reflex)
Speaker unit(s)	
1. Woofer	13 cm Cone type
2. Woofer	13 cm Cone type
Output sound pressure	80 dB/W (1.0 m)
Frequency range	40 Hz–220 Hz (−16 dB)
	45 Hz–180 Hz (−10 dB)
Dimensions (W×H×D)	201.5 mm×368.2 mm×491.5 mm
Mass	11.3 kg

HT885 **Front speakers SB-FS930**

Type	2 way, 3 speaker system (Bass reflex)
Speaker unit(s)	Impedance 6 Ω
1. Woofer	8 cm Cone type
2. Woofer	8 cm Cone type
3. Tweeter	6 cm Ring shaped dome type
Input power (IEC)	170 W※8 (Max)
Output sound pressure	84 dB/W (1.0 m)
Cross over frequency	7 kHz
Frequency range	75 Hz–50 kHz (−16 dB)
	90 Hz–45 kHz (−10 dB)
Dimensions (W×H×D)	260 mm×1234 mm×270 mm
Mass	4.35 kg

HT885 **Surround speakers SB-FS880**

Type	2 way, 2 speaker system (Bass reflex)
Speaker unit(s)	Impedance 4 Ω
1. Woofer	8 cm Cone type
2. Tweeter	6 cm Ring shaped dome type
Input power (IEC)	70 W (Max)
Output sound pressure	81 dB/W (1.0 m)
Cross over frequency	7 kHz
Frequency range	78 Hz–50 kHz (−16 dB)
	90 Hz–45 kHz (−10 dB)
Dimensions (W×H×D)	260 mm×1234 mm×270 mm
Mass	3.92 kg

HT885 **Center speaker SB-PC930**

Type	2 way, 3 speaker system (Bass reflex)
Speaker unit(s)	Impedance 4 Ω
1. Woofer	6.5 cm Cone type
2. Woofer	6.5 cm Cone type
3. Tweeter	6 cm Ring shaped dome type
Input power (IEC)	260 W※8 (Max)
Output sound pressure	82 dB/W (1.0 m)
Cross over frequency	5 kHz
Frequency range	110 Hz–50 kHz (−16 dB)
	140 Hz–45 kHz (−10 dB)
Dimensions (W×H×D)	320 mm×88 mm×96 mm
Mass	1.36 kg

HT885 **Active subwoofer SB-WA885**

Type	1 way, 2 speaker system (Bass reflex)
Speaker unit(s)	
1. Woofer	15 cm Cone type
2. Woofer	15 cm Cone type
Output sound pressure	84 dB/W (1.0 m)
Frequency range	34 Hz–220 Hz (−16 dB)
	38 Hz–190 Hz (−10 dB)
Dimensions (W×H×D)	202 mm×410 mm×500 mm
Mass	13.7 kg

GENERAL

Power supply		AC 230 V, 50 Hz
Power consumption	Main unit	25 W
HT535	Subwoofer	250 W
HT845	Subwoofer	340 W
HT885	Subwoofer	390 W
Dimensions (W×H×D)		430 mm×60 mm×348.3 mm
Mass	Main unit	2.7 kg
Operating temperature range		+5 °C to +35 °C
Operating humidity range		5 % to 90 % RH (no condensation)

Power consumption in standby mode	approx. 0.7 W

※8 Rating with low cut filter equipped amplifier

Note

1. Specifications are subject to change without notice. Mass and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.

Troubleshooting guide

Before requesting service, make the following checks. If you are in doubt about some of the check points, or if the solutions indicated in the chart do not solve the problem, consult your dealer for instructions.

Power		Page
No power.	● Insert the AC mains lead and system cable securely.	**9**
The unit is automatically switched to the standby mode.	● The Sleep timer was working and had reached the set time limit.	**28**

Unresponsive or inoperable function		
No response when any buttons are pressed.	● This unit cannot play discs other than the ones listed in these operating instructions. ● The unit may not be operating properly due to lightning, static electricity or some other external factor. Turn the unit off and then back to ON. Alternatively, turn the unit off, disconnect the AC mains lead, and then reconnect it. ● Condensation has formed: Wait 1 to 2 hours for it to evaporate.	**11** **—** **—**
No response when remote control buttons are pressed.	● Check that the batteries are installed correctly. ● The batteries are depleted. Replace them with new ones. ● Aim the remote control at the remote control signal sensor and operate.	**9** **9** **10**
No picture or sound.	● Check the video or audio connection. ● Check the power or input setting of the connected equipment. ● Check that the disc has something recorded on it.	**4, 5, 7, 8, 26** **—** **—**
You have forgotten your ratings password. Reset all the settings to Factory Preset.	● While stopped and “DVD/CD” is the source, press and hold [■] on the main unit and [≧10] on the remote control until “Initialised” disappears from the television. Turn the unit off and on again. All settings will return to the default values.	**—**

Specific operation undesirable or unexpected		
It takes time before play starts.	● Play may take time to begin when an MP3 track has still picture data. Even after the track starts, the correct play time will not be displayed. This is normal. ● This is normal on DivX video.	**—** **—**
Folders deeper than the eighth layer on a data disc are not displayed correctly. WMA MP3 JPEG MPEG4 DivX	● Folders deeper than the eighth layer are displayed as the eighth layer.	**—**
A menu screen appears during skip or search. VCD	● This is normal for Video CD’s.	**—**
Playback control menu doesn’t appear. VCD with playback control	● Press [■] twice and then press [▶] (play).	**—**
The program and random play functions do not work. DVD-V	● These functions do not work with some DVD-Videos.	**—**
Programmed items are not played. DVD-V	● Some items cannot be played even if you have programmed them.	**—**
The on-screen menu shows “2” as a soundtrack option when [AUDIO] is pressed, but the audio does not change. DVD-A	● Even if a second soundtrack isn’t recorded, two numbers will normally be shown.	**—**
Play doesn’t start.	● This unit may not play WMA and MPEG4 that contains still picture data. ● If playing DivX VOD content, refer to the homepage where you purchased the DivX VOD content. (Example: www.divx.com/vod) DivX ● If a disc contains CD-DA and other formats, proper playback may not be possible.	**—** **—** **—**
Play restarts from the beginning of the track when soundtrack is changed. DVD-A	● This is normal on DVD-Audio.	**—**
Scenes are skipped intermittently. RAM DVD-RW (VR) DVD-V	● If you change the volume or sound field/quality setting during ADVANCED DISC REVIEW, the function continues without the on-screen display. Press [ADVANCED DISC REVIEW] again to cancel the function.	**14**

Subtitle		
Subtitle position is wrong.	● Adjust the position. (“Subtitle Position” in Display Menu)	**19**
No subtitles.	● Display the subtitles. ● Subtitles may not be displayed depending on the disc. DivX	**15** **—**

Marker		
Cannot add markers.	● You cannot add markers. RAM DVD-RW (VR) ● If the disc’s elapsed play time doesn’t appear on the unit’s display, you cannot add markers.	**—** **—**

A-B Repeat		
Point B is automatically set.	● The end of an item becomes point B when it is reached.	**—**
A-B Repeat is automatically canceled.	● A-B Repeat is canceled when you press [QUICK REPLAY].	**—**

Sound abnormal or improper		
Sound distorted.	● Noise may occur when playing WMA.	**—**
Effects do not work.	● Some audio effects do not work or have less effect with some discs. ● Multi Re-master (HT845 HT885) and Dolby Pro Logic II do not work if you have changed the play speed.	**—** **—**
Humming is heard during play.	● An AC mains lead or fluorescent light is near the subwoofer. Keep other appliances and cables away from the subwoofer.	**—**
No sound	● There may be a pause in sound when you change the play speed. ● Audio may not be output due to how files were created. DivX	**—** **17**
Sound mixed.	● If you are using the SCART (AV) terminal and the audio input terminals (TV AUDIO IN) at the same time, turn off the connected equipment at one or the other terminals.	**—**

Menus		
The Setup menu cannot be accessed.	● Select “DVD/CD” as the source. ● Cancel all group, program and random play.	**—** **15**

Picture abnormal or unviewable		Page
Picture distorted.	● Ensure that the unit is connected directly to the television, and is not connected through a video cassette recorder. ● Change “Source Select” in Picture Menu. DivX	8 19
Picture size doesn’t fit the screen.	● Change “TV Aspect” in the “Video” tab. ● Change the Zoom setting.	20 14
Picture stops. DivX	● Picture may stop if the DivX files are greater than 2GB.	—
The television may display incorrectly or colors appear faded.	● The unit and television are using different video systems. Use a multi-system or PAL television. ● The system used on the disc does not match your television. – PAL discs cannot be correctly viewed on an NTSC television. – This unit can convert NTSC signals to PAL 60 for viewing on a PAL television (“NTSC Disc Output” in “Video” tab).	— — 21
Menu is not displayed correctly.	● Restore the zoom ratio to “×1.00”. ● Set “Subtitle Position” in Display Menu to “0”.	14 19
Auto zoom function does not work well.	● Turn off TV’s zoom function. ● Use the other preset aspect ratios or manual adjustment. ● Zoom function may not work well, especially in dark scenes and may not work depending on the type of disc.	— 14 —
The picture on the television disappears or stripes appear on the screen.	● Mobile telephone chargers can cause some disturbance. ● If you are using a TV indoor antenna, change to an outdoor antenna. ● The television antenna wire is too close to the unit. Separate the antenna wire of the television from the unit.	— — —
Progressive video		
There is ghosting when progressive output is on.	● This problem is caused by the editing method or material used on DVD-Video, but should be corrected if you use interlace output. Change “Video Output Mode” in Picture Menu to “625i” or “525i”.	19
Pictures not in progressive output.	● Press [PROGRESSIVE] on the main unit so “PRG” is displayed. Or select “625p” or “525p” in “Video Output Mode” in Picture Menu. ● If the unit is connected to the television through VIDEO OUT, S-VIDEO OUT or SCART (AV) terminal, output will be interlace even if “PRG” is displayed.	12, 19 8
Listening to the radio		
Noise is heard. **“ST” flickers or doesn’t light.** **Sound is distorted.**	● Adjust the position of the FM or AM antenna. ● Use an outdoor antenna.	— 23
A beat sound is heard.	● Turn the television off or move it away from the unit.	—
A low hum is heard during AM broadcasts.	● Separate the antenna from other cables.	—
Television operation		
Cannot operate the TV.	● Press [TV] first to operate the television. ● Check the remote control code for the TV manufacturer.	— 27
Unit displays		
The display is dark.	● Select “Bright” in “FL Dimmer” in the “Others” tab.	21
“NO PLAY”	● You inserted a disc the unit cannot play; insert one it can. ● You inserted a blank disc.	11 —
“NO DISC”	● You haven’t inserted a disc; insert one. ● You haven’t inserted the disc correctly; insert it correctly.	— 12
“F61”	● Check and correct the speaker cord connections. If this does not fix the problem, there is a power supply problem. Consult the dealer.	4, 5, 7
“DVD U11”	● Disc is dirty. Wipe it clean.	30
“ERROR”	● Incorrect operation performed. Read the instructions and try again.	—
“DVD H□□” □□ stands for a number.	● Trouble may have occurred. The number following “H” depends on the status of the unit. Turn the unit off and then back to ON. Alternatively, turn the unit off, disconnect the AC mains lead, and then reconnect it. ● If the service numbers fail to clear, note the service number and contact a qualified service person.	— —
Television displays		
“⃠”	● The operation is prohibited by the unit or disc.	—
“Cannot play group xx, content xx” **“Cannot display group xx, content xx”**	● You are trying to play incompatible group or content.	—
“Group xx, content xx is protected”	● You are trying to play protected group or content. You cannot play it.	—
“Cannot play audio” **“No audio”**	● Audio has not been recorded, or recorded in a format this unit cannot playback. Video playback only is possible.	17
“Check the disc”	● This disc may be dirty.	30
“This disc may not be played in your region”	● You can only play DVD-Video if their region number is the same or includes the same region number as the unit or if the DVD-Video is marked “ALL”. Confirm the region number for the unit on the rear panel.	Cover page
No on-screen display.	● Select “On” in “On-Screen Messages” in the “Display” tab.	21
“Authorization Error” DivX	● You are trying to play the DivX VOD content that was purchased with a different registration code. You cannot play the content on this unit.	30
“Rented Movie Expired” DivX	● The DivX VOD content has zero remaining plays. You cannot play it.	30

SUOMI

VAROITUS!

LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAA ALTISTAA KÄYTTÄJÄN TURVALLISUUSLUOKAN 1 YLITTÄVÄLLE NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.

VAROITUS:

TULIPALO-, SÄHKÖISKUVAARAN TAI TUOTETTA KOHTAAVAN MUUN VAHINGON VÄHENTÄMISEKSI EI LAITETTA SAA ALTISTAA SATEELLE, KOSTEUDELLE, VESIPISAROILLE TAI ROISKEELLE, EIKÄ NESTETTÄ SISÄLTÄVIÄ ESINEITÄ, KUTEN ESIMERKIKSI MALJAKOITA, SAA ASETTAA LAITTEEN PÄÄLLE.

VAROITUS!

- **ÄLÄ ASENNA TAI LAITA TÄTÄ LAITETTA KABINETTITYYPPISEEN KIRJAKAAPPIIN TAI MUUHUN SULJETTUUN TILAAN, JOTTA TUULETUS ONNISTUISI. VARMISTA, ETTÄ VERHO TAI MIKÄÄN MUU MATERIAALI EI HUONONNA TUULETUSTA, JOTTA VÄLTETTÄISIIN YLIKUUMENEMISESTA JOHTUVA SÄHKÖISKU- TAI TULIPALOVAARA.**
- **ÄLÄ PEITÄ LAITTEEN TUULETUSAUKKOJA SANOMALEHDELLÄ, PÖYTÄLIINALLA, VERHOLLA TAI MUULLA VASTAAVALLA ESINEELLÄ.**
- **ÄLÄ ASETA PALAVAA KYNTTILÄÄ TAI MUUTA AVOTULEN LÄHDETTÄ LAITTEEN PÄÄLLE.**
- **HÄVITÄ PARISTOT LUONTOA VAHINGOITTAMATTOMALLA TAVALLA.**

TÄMÄ LAITE ON TARKOITETTU KÄYTETTÄVÄKSI LEUDOSSA ILMASTOSSA.

Laite tulee asettaa lähelle verkkopistorasiaa ja pistokkeen täytyy olla sellaisessa asennossa, että siihen on helppo tarttua ongelman sattuessa.

NORSK

ADVARSEL!

DETTE PRODUKTET ANVENDER EN LASER. BETJENING AV KONTROLLER, JUSTERINGER ELLER ANDRE INNGREP ENN DE SOM ER BESKREVET I DENNE BRUKSANVISNING, KAN FØRE TIL FARLIG BESTRÅLING. DEKSLER MÅ IKKE ÅPNES, OG FORSØK ALDRI Å REPARERE APPARATET PÅ EGENHÅND. ALT SERVICE OG REPARASJONSARBEID MÅ UTFØRES AV KVALIFISERT PERSONELL.

ADVARSEL:

FOR Å REDUSERE FAREN FOR BRANN, ELEKTRISK STØT ELLER SKADER PÅ PRODUKTET, MÅ DETTE APPARATET IKKE UTSETTES FOR REGN, FUKTIGHET, VANNDRÅPER ELLER VANNSPRUT. DET MÅ HELLER IKKE PLASSERES GJENSTANDER FYLT MED VANN, SLIK SOM BLOMSTERVASER, OPPÅ APPARATET.

ADVARSEL!

- **APPARATET MÅ IKKE PLASSERES I EN BOKHYLLE, ET INNEBYGGET KABINETT ELLER ET ANNET LUKKET STED HVOR VENTILASJONSFORHOLDENE ER UTILSTREKKELIGE. SØRG FOR AT GARDINER ELLER LIGNENDE IKKE FORVERRER VENTILASJONSFORHOLDENE, SÅ RISIKO FOR ELEKTRISK SJOKK ELLER BRANN FORÅRSAKET AV OVERHETING UNNGÅS.**
- **APPARATETS VENTILASJONSÅPNINGER MÅ IKKE DEKKES TIL MED AVISER, BORDDUKER , GARDINER OG LIGNENDE.**
- **PLASSER IKKE ÅPEN ILD, SLIK SOM LEVENDE LYS, OPPÅ APPARATET.**
- **BRUKTE BATTERIER MÅ KASSERES UTEN FARE FOR MILJØET.**

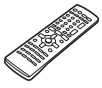
DETTE APPARATET ER BEREGNET TIL BRUK UNDER MODERATE KLIMAFORHOLD.

Utstyret bør plasseres i nærheten av AC-stikkontakten, og støpslet må være lett tilgjengelig hvis det skulle oppstå problemer.

Accessories

Please check and identify the supplied accessories.

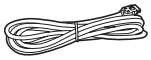
☐ **1 Remote control**
HT535 (EUR7722XH0)
HT845 **HT885**
(EUR7722XC0)



☐ **2 Remote control batteries**

☐ **1 Video cable**

☐ **1 System cable**

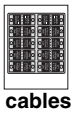


☐ **1 AM loop antenna**

☐ **1 FM indoor antenna**

☐ **1 AC mains lead**

☐ **1 Sheet of speaker-cable stickers**



☐ **Speaker cables**
HT535 **HT845**
1×short cable
2×long cables

HT885
1×short cable

☐ **HT535 2 Pipes** (A)

☐ **HT535 2 Pipes** (B)

☐ **HT535 2 Bases**

☐ **HT535 4 Washer screws**

☐ **HT535 4 Small screws**

☐ **HT535 4 Bracket screws**

☐ **HT535 2 Brackets**

☐ **HT535 1 Sheet of rubber pads**

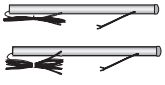
☐ **HT845 2 Bases**
HT885 4 Bases

☐ **HT845 4 Long screws**
HT885 8 Long screws

☐ **HT845 4 Short screws**
HT885 8 Short screws

☐ **Pipes**
HT845
2×pipes

HT885
2×pipes with short cable
2×pipes with long cable



Matsushita Electric Industrial Co., Ltd.
Web Site: http://www.panasonic.co.jp/global/

En

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